

## No-Dice Fast Action Cards for History Maker Baseball

### Included:

- PDF version: 12 pages with 18 cards per page, plus a cut line template page; print card pages Two-Sided with Short Edge binding
- Print version: 6 sheets with 18 cards per sheet for a total of 108 double-sided cards.

### Overview:

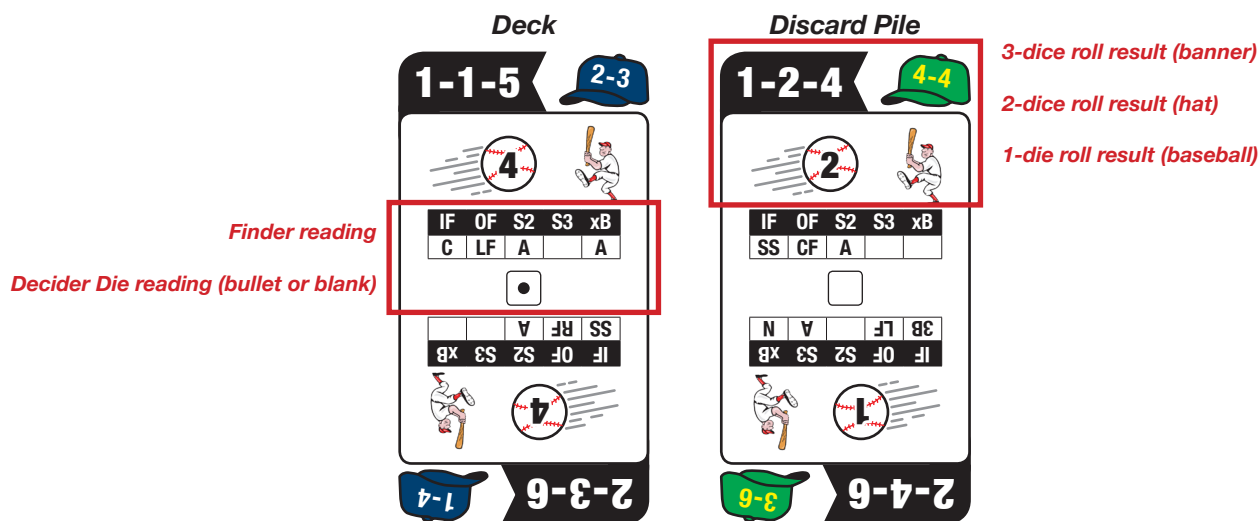
This optional set of cards is intended to replace History Maker Baseball's dice, as well as provide an automated fielder-finder and base-running system. We recommend only checking for steal and extra base attempts when the game situation is appropriate.

Before starting each game, shuffle the cards. For the first use, we recommend a good barnyard shuffle. Place the cards in your play area and flip a new card over whenever a new "dice-roll" is needed. Do not use the same card for more than one result. Dice results come from the top card in the Discard Pile, and Decider Die/Finder results come from the top card in the Deck. See below for more details.

Feel free to reshuffle and/or rotate the deck as often as you like. However, included in the deck is a card with gold baseballs and gold numbering that can be used to randomly signal when to reshuffle. Continue play to the end of the half-inning after drawing this card, then reshuffle and rotate the deck 180 degrees to reset the deck. (Note: If you are using the black-and-white version of the cards, this card has the word "Reshuffle" on it.)

### Instructions for Dice Rolls:

- Flip a card from the deck to the discard pile. This will result in a layout like the one below, giving both the numerical dice result and a Decider Die result.
- 3-dice, 2-dice or single die results are taken from the card in the Discard Pile. If you need another dice result of any kind for the same at-bat or a new at-bat, then flip over another card. Never use the same card for more than one roll of the dice. Note that if you "re-roll" the dice for any reason, you will also be "re-rolling" the Decider Die so that the Decider Die result on the top card of the deck is always the current value.
- Decider Die results are taken from the top card in the Deck. If you need more than one Decider Die result during a play, flip cards from the Deck to the Discard Pile to generate new Decider Die results from the Deck.



### Instructions for Finder Table (Infielder and Outfielder):

- If you have a play-book result that doesn't designate the infielder, look at the top card of the Deck for an IF result.
- If you have a play-book result that doesn't designate the outfielder, look at the top card of the Deck for an OF result.

### Instructions for Finder Table (Attempted STEAL or EXTRA BASE):

- If there is a runner on first base, and you want the deck to automate the decision to possibly attempt a steal of 2nd base, flip over a new card and look at the "S2" reading on the top card of the Deck; "blank" = No Steal Attempt, "N" = Neutral Runner Attempt, "A" = Active Runner Attempt. Flip for a decider die if it's needed to determine Running Quality.

*Example: STOIC• is on 1st, and S2="N". Flip again for a decider die. If it's blank, the runner is "Neutral" and the runner attempts the steal! Follow the instructions on the Attempt a Steal Strategy Card to proceed.*

- If there is a runner on second base, and you want the deck to automate the decision to possibly attempt a steal of 3rd base, flip a card and look at the "S3" reading on the top card of the Deck; "blank" = No Steal, "N" = Neutral Runner Attempt, "A" = Active Runner Attempt. Flip for a decider die if it's needed to determine Running Quality.

*Example: ACTIVE• is on 2nd, and S3="A". Flip again for a decider die. If it's blank, the runner is "Neutral" and does not attempt the steal.*

- If there has been a base hit and the next base is open, and you want the deck to automate the decision to possibly attempt an extra base, use the "xB" reading just like the steal method explained above. *Follow the instructions on the Attempt an Extra Base Strategy Card to proceed.*

1-3-5 2-5

5

IF	OF	S2	S3	xB
C	LF	A		A

IF OF S2 S3 xB  
C LF A A

IF OF S2 S3 xB  
SS RF A A

9

3-3-6 1-2

1-3-5 2-5

5

IF	OF	S2	S3	xB
1B	RF	A		A

IF OF S2 S3 xB  
1B RF A A

IF OF S2 S3 xB  
2B LF A A

1

3-3-6 1-1

1-3-5 2-6

4

IF	OF	S2	S3	xB
2B	LF	A		S

IF OF S2 S3 xB  
2B LF A S

IF OF S2 S3 xB  
1B CF A N

5

3-4-4 6-9

1-3-5 2-6

3

IF	OF	S2	S3	xB
SS	CF	A		S

IF OF S2 S3 xB  
SS CF A S

IF OF S2 S3 xB  
3B LF A N

4

3-4-4 5-6

1-3-5 3-3

2

IF	OF	S2	S3	xB
SS	RF		N	A

IF OF S2 S3 xB  
SS RF N A

IF OF S2 S3 xB  
SS CF N A

3

3-4-4 5-6

1-3-5 3-4

6

IF	OF	S2	S3	xB
3B	CF		N	A

IF OF S2 S3 xB  
3B CF N A

IF OF S2 S3 xB  
2B RF N A

7

3-4-5 5-5

1-1-1 1-1

2

IF	OF	S2	S3	xB
P	LF	A		A

IF OF S2 S3 xB  
P LF A A

IF OF S2 S3 xB  
2B RF A A

3

2-3-4 2-5

1-1-2 1-2

1

IF	OF	S2	S3	xB
1B	RF	A		A

IF OF S2 S3 xB  
1B RF A A

IF OF S2 S3 xB  
SS LF A A

6

2-3-4 2-5

1-1-2 1-2

3

IF	OF	S2	S3	xB
3B	LF	A		

IF OF S2 S3 xB  
3B LF A

IF OF S2 S3 xB  
1B CF A N

1

2-3-4 2-4

1-1-2 1-3

4

IF	OF	S2	S3	xB
2B	CF	A		

IF OF S2 S3 xB  
2B CF A

IF OF S2 S3 xB  
3B LF A N

4

2-3-4 2-4

1-1-3 1-3

6

IF	OF	S2	S3	xB
2B	RF			A

IF OF S2 S3 xB  
2B RF A

IF OF S2 S3 xB  
SS CF N A

2

2-3-4 2-3

1-1-3 1-4

5

IF	OF	S2	S3	xB
3B	CF			A

IF OF S2 S3 xB  
3B CF A

IF OF S2 S3 xB  
SS RF N A

5

2-3-5 2-3

1-1-3 1-4

1

IF	OF	S2	S3	xB
SS	CF	A		A

IF OF S2 S3 xB  
SS CF A A

IF OF S2 S3 xB  
P RF A A

5

2-3-5 2-2

1-1-4 1-5

2

IF	OF	S2	S3	xB
1B	RF	A		A

IF OF S2 S3 xB  
1B RF A A

IF OF S2 S3 xB  
2B LF A A

6

2-3-5 1-6

1-1-4 1-5

3

IF	OF	S2	S3	xB
3B	LF	A		

IF OF S2 S3 xB  
3B LF A

IF OF S2 S3 xB  
2B CF A N

4

2-3-5 1-6

1-1-4 1-6

6

IF	OF	S2	S3	xB
SS	CF	A		

IF OF S2 S3 xB  
SS CF A

IF OF S2 S3 xB  
3B LF A N

2

2-3-5 1-5

1-1-5 1-6

5

IF	OF	S2	S3	xB
2B	RF			A

IF OF S2 S3 xB  
2B RF A

IF OF S2 S3 xB  
SS CF N A

3

2-3-5 1-5

1-1-5 2-2

4


IF	OF	S2	S3	xB
3B	LF			A

IF OF S2 S3 xB  
3B LF A



IF OF S2 S3 xB  
2B RF N A

1



2-3-6 1-4


1-1-5 


IF	OF	S2	S3	xB
C	LF	A		A



			A	SS
		IF	OF	S2
		S3	xB	



2-3-6 


1-1-6 


IF	OF	S2	S3	xB
1B	RF	A		A



			A	SS
		IF	OF	S2
		S3	xB	



2-3-6 


1-1-6 


IF	OF	S2	S3	xB
2B	LF	A		S



			A	SS
		IF	OF	S2
		S3	xB	



2-3-6 


1-1-6 


IF	OF	S2	S3	xB
SS	CF	A		S



				SS
		IF	OF	S2
		S3	xB	



2-3-6 


1-2-2 


IF	OF	S2	S3	xB
SS	RF		N	A



			N	SS
		IF	OF	S2
		S3	xB	



2-3-6 


1-2-2 


IF	OF	S2	S3	xB
3B	CF		N	A



			N	SS
		IF	OF	S2
		S3	xB	



2-4-4 


1-2-2 


IF	OF	S2	S3	xB
P	LF	A		A



			A	SS
		IF	OF	S2
		S3	xB	



2-4-4 


1-2-3 


IF	OF	S2	S3	xB
1B	RF	A		A



			A	SS
		IF	OF	S2
		S3	xB	



2-4-4 


1-2-3 


IF	OF	S2	S3	xB
3B	LF	A		



			A	SS
		IF	OF	S2
		S3	xB	



2-4-5 


1-2-3 


IF	OF	S2	S3	xB
2B	CF	A		



				SS
		IF	OF	S2
		S3	xB	



2-4-5 


1-2-3 


IF	OF	S2	S3	xB
2B	RF			A



			N	SS
		IF	OF	S2
		S3	xB	



2-4-5 


1-2-3 


IF	OF	S2	S3	xB
3B	CF			A



			N	SS
		IF	OF	S2
		S3	xB	



2-4-5 


1-2-3 


IF	OF	S2	S3	xB
SS	CF	A		A



			A	P
		IF	OF	S2
		S3	xB	



2-4-5 


1-2-4 


IF	OF	S2	S3	xB
1B	RF	A		A



			A	SS
		IF	OF	S2
		S3	xB	



2-4-5 


1-2-4 


IF	OF	S2	S3	xB
3B	LF	A		



			A	SS
		IF	OF	S2
		S3	xB	



2-4-6 


1-2-4 


IF	OF	S2	S3	xB
SS	CF	A		



				SS
		IF	OF	S2
		S3	xB	



2-4-6 


1-2-4 


IF	OF	S2	S3	xB
2B	RF			A



			A	SS
		IF	OF	S2
		S3	xB	



2-4-6 


1-2-4 

IF	OF	S2	S3	xB
3B	LF			A

			A	SS
		IF	OF	S2
		S3	xB	

2-4-6 

**1-2-4** **4-6**

IF OF S2 S3 xB  
C LF A A

IF OF S2 S3 xB  
SS RF A

IF OF S2 S3 xB  
SS RF A

IF OF S2 S3 xB  
IF OF S2 S3 xB

**6** **9**

**2-4-6** **3-5**

**1-2-5** **4-6**

IF OF S2 S3 xB  
1B RF A A

IF OF S2 S3 xB  
2B LF A

IF OF S2 S3 xB  
IF OF S2 S3 xB

IF OF S2 S3 xB  
IF OF S2 S3 xB

**3** **3**

**2-4-6** **3-4**

**1-2-5** **5-5**

IF OF S2 S3 xB  
2B LF A S

IF OF S2 S3 xB  
1B CF A N

IF OF S2 S3 xB  
IF OF S2 S3 xB

IF OF S2 S3 xB  
IF OF S2 S3 xB

**5** **4**

**2-5-5** **3-4**

**1-2-5** **5-6**

IF OF S2 S3 xB  
SS CF A S

IF OF S2 S3 xB  
N

IF OF S2 S3 xB  
IF OF S2 S3 xB

IF OF S2 S3 xB  
IF OF S2 S3 xB

**4** **5**

**2-5-5** **3-3**

**1-2-5** **5-6**

IF OF S2 S3 xB  
SS RF N A

IF OF S2 S3 xB  
N

IF OF S2 S3 xB  
IF OF S2 S3 xB

IF OF S2 S3 xB  
IF OF S2 S3 xB

**2** **1**

**2-5-5** **2-6**

**1-2-5** **6-6**

IF OF S2 S3 xB  
3B CF N A

IF OF S2 S3 xB  
N

IF OF S2 S3 xB  
IF OF S2 S3 xB

IF OF S2 S3 xB  
IF OF S2 S3 xB

**2** **9**

**2-5-6** **2-6**

**1-2-5** **1-1**

IF OF S2 S3 xB  
P LF A A

IF OF S2 S3 xB  
2B RF A

IF OF S2 S3 xB  
IF OF S2 S3 xB

IF OF S2 S3 xB  
IF OF S2 S3 xB

**2** **2**

**2-5-6** **2-5**

**1-2-6** **1-2**

IF OF S2 S3 xB  
1B RF A A

IF OF S2 S3 xB  
SS LF A

IF OF S2 S3 xB  
IF OF S2 S3 xB

IF OF S2 S3 xB  
IF OF S2 S3 xB

**6** **4**

**2-5-6** **2-5**

**1-2-6** **1-2**

IF OF S2 S3 xB  
3B LF A

IF OF S2 S3 xB  
1B CF A N

IF OF S2 S3 xB  
IF OF S2 S3 xB

IF OF S2 S3 xB  
IF OF S2 S3 xB

**4** **5**

**2-5-6** **2-4**

**1-2-6** **1-3**

IF OF S2 S3 xB  
2B CF A

IF OF S2 S3 xB  
N

IF OF S2 S3 xB  
IF OF S2 S3 xB

IF OF S2 S3 xB  
IF OF S2 S3 xB

**3** **1**

**2-5-6** **2-4**

**1-2-6** **1-3**

IF OF S2 S3 xB  
2B RF A

IF OF S2 S3 xB  
SS CF N

IF OF S2 S3 xB  
IF OF S2 S3 xB

IF OF S2 S3 xB  
IF OF S2 S3 xB

**5** **3**

**2-5-6** **2-3**

**1-2-6** **1-4**

IF OF S2 S3 xB  
3B CF A

IF OF S2 S3 xB  
N

IF OF S2 S3 xB  
IF OF S2 S3 xB

IF OF S2 S3 xB  
IF OF S2 S3 xB

**1** **6**

**2-6-6** **2-3**

**1-2-6** **1-4**

IF OF S2 S3 xB  
SS CF A A

IF OF S2 S3 xB  
P RF A

IF OF S2 S3 xB  
IF OF S2 S3 xB

IF OF S2 S3 xB  
IF OF S2 S3 xB

**2** **5**

**2-6-6** **2-2**

**1-3-3** **1-5**

IF OF S2 S3 xB  
1B RF A A

IF OF S2 S3 xB  
2B LF A

IF OF S2 S3 xB  
IF OF S2 S3 xB

IF OF S2 S3 xB  
IF OF S2 S3 xB

**2** **2**

**2-6-6** **1-6**

**1-3-3** **1-5**

IF OF S2 S3 xB  
3B LF A

IF OF S2 S3 xB  
2B CF A N

IF OF S2 S3 xB  
IF OF S2 S3 xB

IF OF S2 S3 xB  
IF OF S2 S3 xB

**3** **4**

**3-3-3** **1-6**

**1-3-3** **1-6**

IF OF S2 S3 xB  
SS CF A

IF OF S2 S3 xB  
N

IF OF S2 S3 xB  
IF OF S2 S3 xB

IF OF S2 S3 xB  
IF OF S2 S3 xB

**5** **3**

**3-3-4** **1-5**

**1-3-4** **1-6**

IF OF S2 S3 xB  
2B RF A

IF OF S2 S3 xB  
A

IF OF S2 S3 xB  
IF OF S2 S3 xB

IF OF S2 S3 xB  
IF OF S2 S3 xB

**6** **6**

**3-3-4** **1-5**

**1-3-4** **2-2**

IF OF S2 S3 xB  
3B LF A

IF OF S2 S3 xB  
2B RF N A

IF OF S2 S3 xB  
IF OF S2 S3 xB

IF OF S2 S3 xB  
IF OF S2 S3 xB

**4** **1**

**3-3-4** **1-4**

**1-3-4** **2-3**

IF OF S2 S3 xB  
C LF A A

IF OF S2 S3 xB  
A RF SS

IF OF S2 S3 xB  
A RF SS

**3-3-5** **1-4**

**1-3-4** **2-3**

IF OF S2 S3 xB  
1B RF A A

IF OF S2 S3 xB  
A RF SS

IF OF S2 S3 xB  
A RF SS

**3-3-5** **1-3**

**1-3-4** **2-4**

IF OF S2 S3 xB  
2B LF A S

IF OF S2 S3 xB  
A RF SS

IF OF S2 S3 xB  
A RF SS

**3-3-5** **1-3**

**1-3-4** **2-4**

IF OF S2 S3 xB  
SS CF A S

IF OF S2 S3 xB  
A RF SS

IF OF S2 S3 xB  
A RF SS

**3-3-6** **1-2**

**1-3-6** **3-4**

IF OF S2 S3 xB  
SS RF N A

IF OF S2 S3 xB  
A RF SS

IF OF S2 S3 xB  
A RF SS

**3-4-5** **4-6**

**1-3-6** **3-5**

IF OF S2 S3 xB  
3B CF N A

IF OF S2 S3 xB  
A RF SS

IF OF S2 S3 xB  
A RF SS

**3-4-5** **4-6**

**1-3-6** **3-5**

IF OF S2 S3 xB  
P LF A A

IF OF S2 S3 xB  
A RF SS

IF OF S2 S3 xB  
A RF SS

**3-4-5** **4-5**

**1-3-6** **3-6**

IF OF S2 S3 xB  
1B RF A A

IF OF S2 S3 xB  
A RF SS

IF OF S2 S3 xB  
A RF SS

**3-4-5** **4-5**

**1-3-6** **3-6**

IF OF S2 S3 xB  
3B LF A

IF OF S2 S3 xB  
A RF SS

IF OF S2 S3 xB  
A RF SS

**3-4-5** **4-4**

**1-3-6** **4-4**

IF OF S2 S3 xB  
2B CF A

IF OF S2 S3 xB  
A RF SS

IF OF S2 S3 xB  
A RF SS

**3-4-6** **3-6**

**1-4-4** **4-5**

IF OF S2 S3 xB  
2B RF A

IF OF S2 S3 xB  
A RF SS

IF OF S2 S3 xB  
A RF SS

**3-4-6** **3-6**

**1-4-4** **4-5**

IF OF S2 S3 xB  
3B CF A

IF OF S2 S3 xB  
A RF SS

IF OF S2 S3 xB  
A RF SS

**3-4-6** **3-5**

**1-4-4** **4-6**

IF OF S2 S3 xB  
SS CF A A

IF OF S2 S3 xB  
A RF P

IF OF S2 S3 xB  
A RF P

**3-4-6** **3-5**

**1-4-5** **4-6**

IF OF S2 S3 xB  
1B RF A A

IF OF S2 S3 xB  
A RF 2B

IF OF S2 S3 xB  
A RF 2B

**3-4-6** **3-4**

**1-4-5** **5-5**

IF OF S2 S3 xB  
3B LF A

IF OF S2 S3 xB  
A RF 2B

IF OF S2 S3 xB  
A RF 2B

**3-4-6** **3-4**

**1-4-5** **5-6**

IF OF S2 S3 xB  
SS CF A

IF OF S2 S3 xB  
A RF 3B

IF OF S2 S3 xB  
A RF 3B

**3-5-5** **3-3**

**1-4-5** **5-6**

IF OF S2 S3 xB  
2B RF A

IF OF S2 S3 xB  
A RF SS

IF OF S2 S3 xB  
A RF SS

**3-5-5** **2-6**


**1-4-5** **6-6**



IF OF S2 S3 xB  
3B LF A

IF OF S2 S3 xB  
A RF 2B


IF OF S2 S3 xB  
A RF 2B

**3-5-5** **2-6**



**1-4-5** 


 


IF	OF	S2	S3	xB
C	LF	A		A





		A	SS	RF	SS		
			IF	OF	S2	S3	xB


 

**3-5-6** 



**1-4-6** 


 


IF	OF	S2	S3	xB
1B	RF	A		A





		A	2B	LF	A		
			IF	OF	S2	S3	xB


 

**3-5-6** 



**1-4-6** 


 


IF	OF	S2	S3	xB
2B	LF	A		S





		A	N	1B	CF	A	
			IF	OF	S2	S3	xB


 

**3-5-6** 



**1-4-6** 


 


IF	OF	S2	S3	xB
SS	CF	A		S





			N	3B	LF	A	
			IF	OF	S2	S3	xB


 

**3-5-6** 



**1-4-6** 


 


IF	OF	S2	S3	xB
SS	RF		N	A





			N	SS	CF	N	
			IF	OF	S2	S3	xB


 

**3-5-6** 



**1-4-6** 


 


IF	OF	S2	S3	xB
3B	CF		N	A





			N	2B	RF	N	
			IF	OF	S2	S3	xB


 

**3-5-6** 



**1-4-6** 


 


IF	OF	S2	S3	xB
P	LF	A		A





		A	2B	RF	A		
			IF	OF	S2	S3	xB


 

**3-6-6** 



**1-5-5** 


 


IF	OF	S2	S3	xB
1B	RF	A		A





		A	SS	LF	A		
			IF	OF	S2	S3	xB


 

**3-6-6** 



**1-5-5** 


 


IF	OF	S2	S3	xB
3B	LF	A		





		A	N	1B	CF	A	
			IF	OF	S2	S3	xB


 

**3-6-6** 



**1-5-5** 


 


IF	OF	S2	S3	xB
2B	CF	A		





			N	3B	LF	A	
			IF	OF	S2	S3	xB


 

**4-4-4** 



**1-5-6** 


 


IF	OF	S2	S3	xB
2B	RF			A





			N	SS	CF	N	
			IF	OF	S2	S3	xB


 

**4-4-5** 



**1-5-6** 


 


IF	OF	S2	S3	xB
3B	CF			A





			N	SS	RF	N	
			IF	OF	S2	S3	xB


 

**4-4-5** 



**1-5-6** 


 


IF	OF	S2	S3	xB
SS	CF	A		A





		A	P	RF	A		
			IF	OF	S2	S3	xB


 

**4-4-5** 



**1-5-6** 


 


IF	OF	S2	S3	xB
1B	RF	A		A





		A	2B	LF	A		
			IF	OF	S2	S3	xB


 

**4-4-6** 



**1-5-6** 


 


IF	OF	S2	S3	xB
3B	LF	A		





		A	N	2B	CF	A	
			IF	OF	S2	S3	xB


 

**4-4-6** 



**1-5-6** 


 


IF	OF	S2	S3	xB
SS	CF	A		





			N	3B	LF	A	
			IF	OF	S2	S3	xB


 

**4-4-6** 



**1-6-6** 


 


IF	OF	S2	S3	xB
2B	RF			A





			A	SS	CF	N	
			IF	OF	S2	S3	xB


 

**4-5-5** 



**1-6-6** 


 

IF	OF	S2	S3	xB
3B	LF			A




			A	2B	RF	N	
			IF	OF	S2	S3	xB


 

**4-5-5** 






**1-6-6** 


IF	OF	S2	S3	xB
C	LF	A		A




		A	SS
		S2	S3
		S2	S3
		S2	S3



**4-5-5** 


**2-2-2** 


IF	OF	S2	S3	xB
1B	RF	A		A




		A	SS
		S2	S3
		S2	S3
		S2	S3



**4-5-6** 


**2-2-3** 


IF	OF	S2	S3	xB
2B	LF	A		S




		A	SS
		S2	S3
		S2	S3
		S2	S3



**4-5-6** 


**2-2-3** 


IF	OF	S2	S3	xB
SS	CF	A		S




		A	SS
		S2	S3
		S2	S3
		S2	S3



**4-5-6** 


**2-2-3** 


IF	OF	S2	S3	xB
SS	RF		N	A




		A	SS
		S2	S3
		S2	S3
		S2	S3



**4-5-6** 


**2-2-4** 


IF	OF	S2	S3	xB
3B	CF		N	A




		A	SS
		S2	S3
		S2	S3
		S2	S3



**4-5-6** 


**2-2-4** 


IF	OF	S2	S3	xB
P	LF	A		A




		A	SS
		S2	S3
		S2	S3
		S2	S3



**4-5-6** 


**2-2-4** 


IF	OF	S2	S3	xB
1B	RF	A		A




		A	SS
		S2	S3
		S2	S3
		S2	S3



**4-6-6** 


**2-2-5** 


IF	OF	S2	S3	xB
3B	LF	A		




		A	SS
		S2	S3
		S2	S3
		S2	S3



**4-6-6** 


**2-2-5** 


IF	OF	S2	S3	xB
2B	CF	A		




		A	SS
		S2	S3
		S2	S3
		S2	S3



**4-6-6** 


**2-2-5** 


IF	OF	S2	S3	xB
2B	RF			A




		A	SS
		S2	S3
		S2	S3
		S2	S3



**5-5-5** 


**2-2-6** 


IF	OF	S2	S3	xB
3B	CF			A




		A	SS
		S2	S3
		S2	S3
		S2	S3



**5-5-6** 


**2-2-6** 


IF	OF	S2	S3	xB
SS	CF	A		A




		A	SS
		S2	S3
		S2	S3
		S2	S3



**5-5-6** 


**2-2-6** 


IF	OF	S2	S3	xB
1B	RF	A		A




		A	SS
		S2	S3
		S2	S3
		S2	S3



**5-5-6** 


**2-3-3** 


IF	OF	S2	S3	xB
3B	LF	A		




		A	SS
		S2	S3
		S2	S3
		S2	S3



**5-6-6** 


**2-3-3** 


IF	OF	S2	S3	xB
SS	CF	A		




		A	SS
		S2	S3
		S2	S3
		S2	S3



**5-6-6** 


**2-3-3** 


IF	OF	S2	S3	xB
2B	RF			A




		A	SS
		S2	S3
		S2	S3
		S2	S3



**5-6-6** 


**2-3-4** 

IF	OF	S2	S3	xB
3B	LF			A



		A	SS
		S2	S3
		S2	S3
		S2	S3

**6-6-6** 

1-3-5 2-3

5

IF	OF	S2	S3	xB
C	LF	A		A

IF OF S2 S3 xB  
C LF A A

SS RF A  
IF OF S2 S3 xB

9

2-3-6 1-2

1-3-5 2-3

5

IF	OF	S2	S3	xB
1B	RF	A		A

IF OF S2 S3 xB  
1B RF A A

2B LF A  
IF OF S2 S3 xB

1

2-3-6 1-1

1-3-5 2-4

4

IF	OF	S2	S3	xB
2B	LF	A		S

IF OF S2 S3 xB  
2B LF A S

1B CF A N  
IF OF S2 S3 xB

5

2-3-6 6-9

1-3-5 2-4

3

IF	OF	S2	S3	xB
SS	CF	A		S

IF OF S2 S3 xB  
SS CF A S

3B LF N  
IF OF S2 S3 xB

4

2-3-6 5-6

1-3-5 3-4

2

IF	OF	S2	S3	xB
SS	RF		N	A

IF OF S2 S3 xB  
SS RF N A

SS CF N  
IF OF S2 S3 xB

3

2-3-6 5-6

1-3-5 3-5

6

IF	OF	S2	S3	xB
3B	CF		N	A

IF OF S2 S3 xB  
3B CF N A

2B RF N  
IF OF S2 S3 xB

7

2-4-4 5-5

1-1-1 3-5

2

IF	OF	S2	S3	xB
P	LF	A		A

IF OF S2 S3 xB  
P LF A A

2B RF A  
IF OF S2 S3 xB

3

2-4-4 2-5

1-1-2 3-6

1

IF	OF	S2	S3	xB
1B	RF	A		A

IF OF S2 S3 xB  
1B RF A A

SS LF A  
IF OF S2 S3 xB

6

2-4-4 2-5

1-1-2 3-6

3

IF	OF	S2	S3	xB
3B	LF	A		

IF OF S2 S3 xB  
3B LF A

1B CF A N  
IF OF S2 S3 xB

1

2-4-5 2-4

1-1-2 4-4

4

IF	OF	S2	S3	xB
2B	CF	A		

IF OF S2 S3 xB  
2B CF A

3B LF N  
IF OF S2 S3 xB

4

2-4-5 2-4

1-1-3 4-5

6

IF	OF	S2	S3	xB
2B	RF			A

IF OF S2 S3 xB  
2B RF A

SS CF N  
IF OF S2 S3 xB

2

2-4-5 2-3

1-1-3 4-5

5

IF	OF	S2	S3	xB
3B	CF			A

IF OF S2 S3 xB  
3B CF A

SS RF N  
IF OF S2 S3 xB

5

2-4-5 2-3

1-1-3 4-6

5

IF	OF	S2	S3	xB
SS	CF	A		A

IF OF S2 S3 xB  
SS CF A A

P RF A  
IF OF S2 S3 xB

5

2-4-5 2-2

1-1-4 4-6

2

IF	OF	S2	S3	xB
1B	RF	A		A

IF OF S2 S3 xB  
1B RF A A

2B LF A  
IF OF S2 S3 xB

6

2-4-5 1-6

1-1-4 5-5

3

IF	OF	S2	S3	xB
3B	LF	A		

IF OF S2 S3 xB  
3B LF A

2B CF A N  
IF OF S2 S3 xB

4

2-4-6 1-6

1-1-4 5-6

6

IF	OF	S2	S3	xB
SS	CF	A		

IF OF S2 S3 xB  
SS CF A

3B LF A N  
IF OF S2 S3 xB

2

2-4-6 1-5

1-1-5 5-6

5

IF	OF	S2	S3	xB
2B	RF			A

IF OF S2 S3 xB  
2B RF A

SS CF N A  
IF OF S2 S3 xB

3

2-4-6 1-5

1-1-5 6-6

4

IF	OF	S2	S3	xB
3B	LF			A


IF OF S2 S3 xB  
3B LF A

2B RF N A  
IF OF S2 S3 xB



1

2-4-6 1-4






**1-1-5** 


IF	OF	S2	S3	xB
C	LF	A		A



		A	RF	SS
		S3	S2	IF
		xB	S3	OF



**2-4-6** 


**1-1-6** 


IF	OF	S2	S3	xB
1B	RF	A		A



		A	LF	2B
		S3	S2	IF
		xB	S3	OF



**2-4-6** 


**1-1-6** 


IF	OF	S2	S3	xB
2B	LF	A		S



		A	CF	1B
		S3	S2	IF
		xB	S3	OF



**2-5-5** 


**1-1-6** 


IF	OF	S2	S3	xB
SS	CF	A		S



		A	LF	3B
		S3	S2	IF
		xB	S3	OF



**2-5-5** 


**1-2-2** 


IF	OF	S2	S3	xB
SS	RF		N	A



		A	CF	N
		S3	S2	IF
		xB	S3	OF



**2-5-5** 


**1-2-2** 


IF	OF	S2	S3	xB
3B	CF		N	A



		A	RF	N
		S3	S2	IF
		xB	S3	OF



**2-5-6** 


**1-2-2** 


IF	OF	S2	S3	xB
P	LF	A		A



		A	RF	2B
		S3	S2	IF
		xB	S3	OF



**2-5-6** 


**1-2-3** 


IF	OF	S2	S3	xB
1B	RF	A		A



		A	LF	SS
		S3	S2	IF
		xB	S3	OF



**2-5-6** 


**1-2-3** 


IF	OF	S2	S3	xB
3B	LF	A		



		A	CF	1B
		S3	S2	IF
		xB	S3	OF



**2-5-6** 


**1-2-3** 


IF	OF	S2	S3	xB
2B	CF	A		



		A	LF	3B
		S3	S2	IF
		xB	S3	OF



**2-5-6** 


**1-2-3** 


IF	OF	S2	S3	xB
2B	RF			A



		A	CF	SS
		S3	S2	IF
		xB	S3	OF



**2-5-6** 


**1-2-3** 


IF	OF	S2	S3	xB
3B	CF			A



		A	RF	SS
		S3	S2	IF
		xB	S3	OF



**2-6-6** 


**1-2-3** 


IF	OF	S2	S3	xB
SS	CF	A		A



		A	RF	P
		S3	S2	IF
		xB	S3	OF



**2-6-6** 


**1-2-4** 


IF	OF	S2	S3	xB
1B	RF	A		A



		A	LF	2B
		S3	S2	IF
		xB	S3	OF



**2-6-6** 


**1-2-4** 


IF	OF	S2	S3	xB
3B	LF	A		



		A	CF	2B
		S3	S2	IF
		xB	S3	OF



**3-3-3** 


**1-2-4** 


IF	OF	S2	S3	xB
SS	CF	A		



		A	LF	3B
		S3	S2	IF
		xB	S3	OF



**3-3-4** 


**1-2-4** 


IF	OF	S2	S3	xB
2B	RF			A



		A	CF	SS
		S3	S2	IF
		xB	S3	OF



**3-3-4** 


**1-2-4** 


IF	OF	S2	S3	xB
3B	LF			A



		A	RF	N
		S3	S2	IF
		xB	S3	OF



**3-3-4** 


1-2-4 


IF	OF	S2	S3	xB
C	LF	A		A



		A				
		SS	RF	A		
		IF	OF	S2	S3	xB



3-3-5 


1-2-5 


IF	OF	S2	S3	xB
1B	RF	A		A



		A				
		2B	LF	A		
		IF	OF	S2	S3	xB



3-3-5 


1-2-5 


IF	OF	S2	S3	xB
2B	LF	A		S



		A				
		1B	CF	A	N	
		IF	OF	S2	S3	xB



3-3-5 


1-2-5 


IF	OF	S2	S3	xB
SS	CF	A		S



		N				
		3B	LF	A	N	
		IF	OF	S2	S3	xB



3-3-6 


1-2-5 


IF	OF	S2	S3	xB
SS	RF		N	A



		N				
		SS	CF	N	SS	
		IF	OF	S2	S3	xB



3-4-5 


1-2-5 


IF	OF	S2	S3	xB
3B	CF		N	A



		N				
		2B	RF	N	2B	
		IF	OF	S2	S3	xB



3-4-5 


1-2-5 


IF	OF	S2	S3	xB
P	LF	A		A



		A				
		2B	RF	A		
		IF	OF	S2	S3	xB



3-4-5 


1-2-6 


IF	OF	S2	S3	xB
1B	RF	A		A



		A				
		SS	LF	A		
		IF	OF	S2	S3	xB



3-4-5 


1-2-6 


IF	OF	S2	S3	xB
3B	LF	A		



		A				
		1B	CF	A	N	
		IF	OF	S2	S3	xB



3-4-5 


1-2-6 


IF	OF	S2	S3	xB
2B	CF	A		



		N				
		3B	LF	A	N	
		IF	OF	S2	S3	xB



3-4-6 


1-2-6 


IF	OF	S2	S3	xB
2B	RF			A



		N				
		SS	CF	N	SS	
		IF	OF	S2	S3	xB



3-4-6 


1-2-6 


IF	OF	S2	S3	xB
3B	CF			A



		N				
		SS	RF	N	SS	
		IF	OF	S2	S3	xB



3-4-6 


1-2-6 


IF	OF	S2	S3	xB
SS	CF	A		A



		A				
		P	RF	A		
		IF	OF	S2	S3	xB



3-4-6 


1-3-3 


IF	OF	S2	S3	xB
1B	RF	A		A



		A				
		2B	LF	A		
		IF	OF	S2	S3	xB



3-4-6 


1-3-3 


IF	OF	S2	S3	xB
3B	LF	A		



		A				
		2B	CF	A	N	
		IF	OF	S2	S3	xB



3-4-6 


1-3-3 


IF	OF	S2	S3	xB
SS	CF	A		



		N				
		3B	LF	A	N	
		IF	OF	S2	S3	xB



3-5-5 


1-3-4 


IF	OF	S2	S3	xB
2B	RF			A



		A				
		SS	CF	N	SS	
		IF	OF	S2	S3	xB



3-5-5 


1-3-4 


IF	OF	S2	S3	xB
3B	LF			A

		A				
		2B	RF	N	2B	
		IF	OF	S2	S3	xB



 


3-5-5 


1-3-4 

IF OF S2 S3 xB  
C LF A A

IF OF S2 S3 xB  
A RF SS



 


3-5-6 


1-3-4 

IF OF S2 S3 xB  
1B RF A A

IF OF S2 S3 xB  
A RF SS



 


3-5-6 


1-3-4 

IF OF S2 S3 xB  
2B LF A S

IF OF S2 S3 xB  
A RF SS



 


3-5-6 


1-3-4 

IF OF S2 S3 xB  
SS CF A S

IF OF S2 S3 xB  
A RF SS



 


3-5-6 


1-3-6 

IF OF S2 S3 xB  
SS RF N A

IF OF S2 S3 xB  
A RF SS



 


3-5-6 


1-3-6 

IF OF S2 S3 xB  
3B CF N A

IF OF S2 S3 xB  
A RF SS



 


3-5-6 


1-3-6 

IF OF S2 S3 xB  
P LF A A

IF OF S2 S3 xB  
A RF SS



 


3-6-6 


1-3-6 

IF OF S2 S3 xB  
1B RF A A

IF OF S2 S3 xB  
A RF SS



 


3-6-6 


1-3-6 

IF OF S2 S3 xB  
3B LF A

IF OF S2 S3 xB  
A RF SS



 


3-6-6 


1-3-6 

IF OF S2 S3 xB  
2B CF A

IF OF S2 S3 xB  
A RF SS



 


4-4-4 


1-4-4 

IF OF S2 S3 xB  
2B RF A

IF OF S2 S3 xB  
A RF SS



 


4-4-5 


1-4-4 

IF OF S2 S3 xB  
3B CF A

IF OF S2 S3 xB  
A RF SS



 


4-4-5 


1-4-4 

IF OF S2 S3 xB  
SS CF A A

IF OF S2 S3 xB  
A RF P



 


4-4-5 


1-4-5 

IF OF S2 S3 xB  
1B RF A A

IF OF S2 S3 xB  
A RF 2B



 


4-4-6 


1-4-5 

IF OF S2 S3 xB  
3B LF A

IF OF S2 S3 xB  
A RF 2B



 


4-4-6 


1-4-5 

IF OF S2 S3 xB  
SS CF A

IF OF S2 S3 xB  
A RF 3B



 


4-4-6 


1-4-5 

IF OF S2 S3 xB  
2B RF A

IF OF S2 S3 xB  
A RF SS



 


4-5-5 

1-4-5 

IF OF S2 S3 xB  
3B LF A

IF OF S2 S3 xB  
A RF 2B

4-5-5 

**1-4-5** **2-3**

IF OF S2 S3 xB  
C LF A A

IF OF S2 S3 xB  
SS RF A

IF OF S2 S3 xB  
SS RF A

IF OF S2 S3 xB  
IF OF S2 S3 xB

**4-5-5** **2-5**

**1-4-6** **2-3**

IF OF S2 S3 xB  
1B RF A A

IF OF S2 S3 xB  
2B LF A

IF OF S2 S3 xB  
IF OF S2 S3 xB

IF OF S2 S3 xB  
IF OF S2 S3 xB

**4-5-6** **2-5**

**1-4-6** **2-4**

IF OF S2 S3 xB  
2B LF A S

IF OF S2 S3 xB  
1B CF A

IF OF S2 S3 xB  
IF OF S2 S3 xB

IF OF S2 S3 xB  
IF OF S2 S3 xB

**4-5-6** **2-4**

**1-4-6** **2-4**

IF OF S2 S3 xB  
SS CF A S

IF OF S2 S3 xB  
N A

IF OF S2 S3 xB  
IF OF S2 S3 xB

IF OF S2 S3 xB  
IF OF S2 S3 xB

**4-5-6** **2-4**

**1-4-6** **2-5**

IF OF S2 S3 xB  
SS RF N A

IF OF S2 S3 xB  
N CF SS

IF OF S2 S3 xB  
IF OF S2 S3 xB

IF OF S2 S3 xB  
IF OF S2 S3 xB

**4-5-6** **2-3**

**1-4-6** **2-5**

IF OF S2 S3 xB  
3B CF N A

IF OF S2 S3 xB  
N RF SS

IF OF S2 S3 xB  
IF OF S2 S3 xB

IF OF S2 S3 xB  
IF OF S2 S3 xB

**4-5-6** **2-3**

**1-4-6** **2-6**

IF OF S2 S3 xB  
P LF A A

IF OF S2 S3 xB  
2B RF A

IF OF S2 S3 xB  
IF OF S2 S3 xB

IF OF S2 S3 xB  
IF OF S2 S3 xB

**4-5-6** **2-2**

**1-5-5** **2-6**

IF OF S2 S3 xB  
1B RF A A

IF OF S2 S3 xB  
SS LF A

IF OF S2 S3 xB  
IF OF S2 S3 xB

IF OF S2 S3 xB  
IF OF S2 S3 xB

**4-6-6** **1-6**

**1-5-5** **3-3**

IF OF S2 S3 xB  
3B LF A

IF OF S2 S3 xB  
1B CF A

IF OF S2 S3 xB  
IF OF S2 S3 xB

IF OF S2 S3 xB  
IF OF S2 S3 xB

**4-6-6** **1-6**

**1-5-5** **3-4**

IF OF S2 S3 xB  
2B CF A

IF OF S2 S3 xB  
N A

IF OF S2 S3 xB  
IF OF S2 S3 xB

IF OF S2 S3 xB  
IF OF S2 S3 xB

**4-6-6** **1-5**

**1-5-6** **3-4**

IF OF S2 S3 xB  
2B RF A

IF OF S2 S3 xB  
SS CF N

IF OF S2 S3 xB  
IF OF S2 S3 xB

IF OF S2 S3 xB  
IF OF S2 S3 xB

**5-5-5** **1-5**

**1-5-6** **3-5**

IF OF S2 S3 xB  
3B CF A

IF OF S2 S3 xB  
N RF SS

IF OF S2 S3 xB  
IF OF S2 S3 xB

IF OF S2 S3 xB  
IF OF S2 S3 xB

**5-5-6** **1-4**

**1-5-6** **3-5**

IF OF S2 S3 xB  
SS CF A A

IF OF S2 S3 xB  
P RF A

IF OF S2 S3 xB  
IF OF S2 S3 xB

IF OF S2 S3 xB  
IF OF S2 S3 xB

**5-5-6** **1-4**

**1-5-6** **3-6**

IF OF S2 S3 xB  
1B RF A A

IF OF S2 S3 xB  
2B LF A

IF OF S2 S3 xB  
IF OF S2 S3 xB

IF OF S2 S3 xB  
IF OF S2 S3 xB

**5-5-6** **1-3**

**1-5-6** **3-6**

IF OF S2 S3 xB  
3B LF A

IF OF S2 S3 xB  
2B CF A

IF OF S2 S3 xB  
IF OF S2 S3 xB

IF OF S2 S3 xB  
IF OF S2 S3 xB

**5-6-6** **1-3**

**1-5-6** **4-4**

IF OF S2 S3 xB  
SS CF A

IF OF S2 S3 xB  
N A

IF OF S2 S3 xB  
IF OF S2 S3 xB

IF OF S2 S3 xB  
IF OF S2 S3 xB

**5-6-6** **1-2**

**1-6-6** **4-5**

IF OF S2 S3 xB  
2B RF A

IF OF S2 S3 xB  
SS CF N A

IF OF S2 S3 xB  
IF OF S2 S3 xB

IF OF S2 S3 xB  
IF OF S2 S3 xB

**5-6-6** **1-2**

**1-6-6** **4-5**


IF OF S2 S3 xB  
3B LF A

IF OF S2 S3 xB  
2B RF A


IF OF S2 S3 xB  
IF OF S2 S3 xB

IF OF S2 S3 xB  
IF OF S2 S3 xB


**6-6-6** **1-1**


**1-6-6** 


IF	OF	S2	S3	xB
C	LF	A		A




		A	SS
		S2	S3
IF	OF	S2	S3
xB			

 **3**


**3-3-6** 


**2-2-2** 


IF	OF	S2	S3	xB
1B	RF	A		A




		A	SS
		S2	S3
IF	OF	S2	S3
xB			

 **5**


**3-3-6** 


**2-2-3** 


IF	OF	S2	S3	xB
2B	LF	A		S




		A	SS
		S2	S3
IF	OF	S2	S3
xB			

 **9**


**3-4-4** 


**2-2-3** 


IF	OF	S2	S3	xB
SS	CF	A		S




		A	SS
		S2	S3
IF	OF	S2	S3
xB			

 **4**


**3-4-4** 


**2-2-3** 


IF	OF	S2	S3	xB
SS	RF		N	A




		A	SS
		S2	S3
IF	OF	S2	S3
xB			

 **7**


**3-4-4** 


**2-2-4** 


IF	OF	S2	S3	xB
3B	CF		N	A




		A	SS
		S2	S3
IF	OF	S2	S3
xB			

 **1**


**3-4-5** 


**2-2-4** 


IF	OF	S2	S3	xB
P	LF	A		A




		A	SS
		S2	S3
IF	OF	S2	S3
xB			

 **5**


**2-3-4** 


**2-2-4** 


IF	OF	S2	S3	xB
1B	RF	A		A




		A	SS
		S2	S3
IF	OF	S2	S3
xB			

 **1**


**2-3-4** 


**2-2-5** 


IF	OF	S2	S3	xB
3B	LF	A		




		A	SS
		S2	S3
IF	OF	S2	S3
xB			

 **3**


**2-3-4** 


**2-2-5** 


IF	OF	S2	S3	xB
2B	CF	A		




		A	SS
		S2	S3
IF	OF	S2	S3
xB			

 **2**


**2-3-4** 


**2-2-5** 


IF	OF	S2	S3	xB
2B	RF			A




		A	SS
		S2	S3
IF	OF	S2	S3
xB			

 **9**


**2-3-4** 


**2-2-6** 


IF	OF	S2	S3	xB
3B	CF			A




		A	SS
		S2	S3
IF	OF	S2	S3
xB			

 **4**


**2-3-5** 


**2-2-6** 


IF	OF	S2	S3	xB
SS	CF	A		A




		A	P
		S2	S3
IF	OF	S2	S3
xB			

 **2**


**2-3-5** 


**2-2-6** 


IF	OF	S2	S3	xB
1B	RF	A		A




		A	SS
		S2	S3
IF	OF	S2	S3
xB			

 **3**


**2-3-5** 


**2-3-3** 


IF	OF	S2	S3	xB
3B	LF	A		




		A	SS
		S2	S3
IF	OF	S2	S3
xB			

 **4**


**2-3-5** 


**2-3-3** 


IF	OF	S2	S3	xB
SS	CF	A		




		A	SS
		S2	S3
IF	OF	S2	S3
xB			

 **9**


**2-3-5** 


**2-3-3** 


IF	OF	S2	S3	xB
2B	RF			A




		A	SS
		S2	S3
IF	OF	S2	S3
xB			

 **1**


**2-3-5** 

**2-3-4** 

IF	OF	S2	S3	xB
3B	LF			A



		A	SS
		S2	S3
IF	OF	S2	S3
xB			

 **5**

**2-3-6** 