

## Revision Wed:

**1. Let's add a Joker card!** The deck now comprises five colors and a joker card, represented as follows: "R" for Red, "G" for Green, "B" for Blue, "M" for Magenta, "Y" for Yellow, and "J" for Joker. The joker card can be used as any color to complete a route. In total, there are 150 cards in the deck, with each color appearing 25 times, and 25 joker cards. Players can use the joker card ("J") as a substitute for any color when completing a route. When deciding a move, if a player has enough cards, including joker cards, to complete a longer route, they must prioritize using the joker cards where possible to complete the longest available route. For instance, if both Route#5 and Route#6 are empty and the player has 5 Yellow cards and 1 joker card, then the player should complete Route#6 using all of them, as it is the longest route. However, if Route#6 is already complete, the player should not use the joker card—they should use the 5 Yellow cards to complete Route#5. In summary, **prioritize using the joker card if it allows a longer route** to be filled; otherwise, use the color cards to complete the route. Additionally, players now **draw 4 cards from the deck** instead of 3 to speed up the game.

```
Welcome!
Lets shuffle the deck:
JRMRYJRMRRGBYBBRYGYRBGMJRJGMMJGGGJYYBGJYGBGYGMGMJGM
YRBBGYMYMJBGRMRYBMMRBMBMYJJRJYRBYGRBRYMYGMJYBRYBJGY
BGJRMGBBGMJYRBJMGYGGJJYRRJJRGBRJRMJBMJMGYMBBJJJB
```

Game begins!

```
Player1: JRMRY
Player2: JRMRR
Player3: GBYBB
```

```
##### Game round #1
## Player1 ##
Previous Hand: JRMRY
Route Completed!
Current Hand: MY
Route#2:
Route#3: RRJ
Route#4:
Route#5:
Route#6:
```

```
## Player2 ##
Previous Hand: JRMRR
Route Completed!
Current Hand: M
Route#2:
Route#3:
Route#4: RRRJ
Route#5:
Route#6:
```

```
## Player3 ##
Previous Hand: GBYBB
Route Completed!
Current Hand: GY
Route#2:
Route#3: BBB
Route#4:
Route#5:
Route#6:
```

```
##### Game round #2
## Player1 ##
Previous Hand: MY
Card Drawn: RYGY
Current Hand: MYRYGY
Route#2:
Route#3: RRJ
Route#4:
Route#5:
Route#6:
```

```
## Player2 ##
Previous Hand: M
Card Drawn: RBGM
Current Hand: MRBGM
Route#2:
```

```
##### Game round #6
## Player1 ##
Previous Hand: RGYG
Card Drawn: YGBG
Current Hand: RGYGYGBG
Route#2: YY
Route#3: RRJ
Route#4: MMMJ
Route#5:
Route#6:
```

```
## Player2 ##
Previous Hand: RBJY
Card Drawn: YGMG
Current Hand: RBJYYGMG
Route#2: MM
Route#3: GGG
Route#4: RRRJ
Route#5:
Route#6:
```

```
## Player3 ##
Previous Hand: YYB
Card Drawn: MJGM
Current Hand: YYBMJGM
Route#2: RR
Route#3: BBB
Route#4:
Route#5: GGGJJ
Route#6:
```

```
##### Game round #7
## Player1 ##
Previous Hand: RGYGYGBG
Card Drawn: YRBB
Current Hand: RGYGYGBGYRBB
Route#2: YY
Route#3: RRJ
Route#4: MMMJ
Route#5:
Route#6:
```

```
## Player2 ##
Previous Hand: RBJYYGMG
Card Drawn: GYMY
Current Hand: RBJYYGMGGYMY
Route#2: MM
Route#3: GGG
Route#4: RRRJ
Route#5:
Route#6:
```

```
## Player3 ##
Previous Hand: YYBMJGM
Card Drawn: MJBG
Current Hand: YYBMJGMMJBG
Route#2: RR
Route#3: BBB
```

Route#3:  
Route#4: RRRJ  
Route#5:  
Route#6:

## Player3 ##  
Previous Hand: GY  
Card Drawn: RJRG  
Current Hand: GYRJRG  
Route#2:  
Route#3: BBB  
Route#4:  
Route#5:  
Route#6:

##### Game round #3  
## Player1 ##  
Previous Hand: MYRYGY  
Route Completed!  
Current Hand: MRGY  
Route#2: YY  
Route#3: RRJ  
Route#4:  
Route#5:  
Route#6:

## Player2 ##  
Previous Hand: MRBGM  
Route Completed!  
Current Hand: RBG  
Route#2: MM  
Route#3:  
Route#4: RRRJ  
Route#5:  
Route#6:

## Player3 ##  
Previous Hand: GYRJRG  
Route Completed!  
Current Hand: GYJG  
Route#2: RR  
Route#3: BBB  
Route#4:  
Route#5:  
Route#6:

##### Game round #4  
## Player1 ##  
Previous Hand: MRGY  
Card Drawn: MMJG  
Current Hand: MRGYMMJG  
Route#2: YY  
Route#3: RRJ  
Route#4:  
Route#5:  
Route#6:

## Player2 ##  
Previous Hand: RBG  
Card Drawn: GGJY  
Current Hand: RBGGGJY  
Route#2: MM  
Route#3:  
Route#4: RRRJ  
Route#5:  
Route#6:

## Player3 ##  
Previous Hand: GYJG  
Card Drawn: YBGJ  
Current Hand: GYJGYBGJ  
Route#2: RR  
Route#3: BBB  
Route#4:  
Route#5:  
Route#6:

##### Game round #5  
## Player1 ##

Route#4:  
Route#5: GGGJJ  
Route#6:

##### Game round #8  
## Player1 ##  
Previous Hand: RGYGYGBGYRBB  
Card Drawn: RMRY  
Current Hand: RGYGYGBGYRBBRMRY  
Route#2: YY  
Route#3: RRJ  
Route#4: MMMJ  
Route#5:  
Route#6:

## Player2 ##  
Previous Hand: RBJYYGMGGYMY  
Route Completed!  
Current Hand: RBGMGGM  
Route#2: MM  
Route#3: GGG  
Route#4: RRRJ  
Route#5: YYYYY  
Route#6:

## Player3 ##  
Previous Hand: YYBMJGMMJBG  
Route Completed!  
Current Hand: YYBGJBG  
Route#2: RR  
Route#3: BBB  
Route#4: MMMJ  
Route#5: GGGJJ  
Route#6:

##### Game round #9  
## Player1 ##  
Previous Hand: RGYGYGBGYRBBRMRY  
Card Drawn: BMMR  
Current Hand: RGYGYGBGYRBBRMRYBMMR  
Route#2: YY  
Route#3: RRJ  
Route#4: MMMJ  
Route#5:  
Route#6:

## Player2 ##  
Previous Hand: RBGMGGM  
Card Drawn: BMBM  
Current Hand: RBGMGGM BMBM  
Route#2: MM  
Route#3: GGG  
Route#4: RRRJ  
Route#5: YYYYY  
Route#6:

## Player3 ##  
Previous Hand: YYBGJBG  
Card Drawn: YJJR  
Current Hand: YYBGJBGYJJR  
Route#2: RR  
Route#3: BBB  
Route#4: MMMJ  
Route#5: GGGJJ  
Route#6:

##### Game round #10  
## Player1 ##  
Previous Hand: RGYGYGBGYRBBRMRYBMMR  
Route Completed!  
Current Hand: GYGYGBGYBBMYBMM  
Route#2: YY  
Route#3: RRJ  
Route#4: MMMJ  
Route#5: RRRRR  
Route#6:

## Player2 ##  
Previous Hand: RBGMGGM BMBM

Previous Hand: MRGYMMJG  
Route Completed!  
Current Hand: RGYG  
Route#2: YY  
Route#3: RRJ  
Route#4: MMMJ  
Route#5:  
Route#6:

## Player2 ##  
Previous Hand: RBGGGJY  
Route Completed!  
Current Hand: RBJY  
Route#2: MM  
Route#3: GGG  
Route#4: RRRJ  
Route#5:  
Route#6:

## Player3 ##  
Previous Hand: GYJGYBGJ  
Route Completed!  
Current Hand: YYB  
Route#2: RR  
Route#3: BBB  
Route#4:  
Route#5: GGGJJ  
Route#6:

Card Drawn: JYRB  
Current Hand: RBGMGGMBMBMJYRB  
Route#2: MM  
Route#3: GGG  
Route#4: RRRJ  
Route#5: YYYJ  
Route#6:

## Player3 ##  
Previous Hand: YYBGJBGYJJR  
Route Completed!  
Current Hand: BGBGR  
Route#2: RR  
Route#3: BBB  
Route#4: MMMJ  
Route#5: GGGJJ  
Route#6: YYYJJJ  
\*\*\*\*\*

Game finished!

Player1 total route points: 14,      Player1's  
remaining card count in the hand: 15  
Player2 total route points: 14,      Player2's  
remaining card count in the hand: 15  
Player3 total route points: 20,      Player3's  
remaining card count in the hand: 5  
Number of remaining cards on deck 67  
TOTAL = 150