

Revision Tue:

1. Fixed Colors for Routes: In this version, there are “**constrained routes**”. The colors required for Route#2 and Route#3 are fixed: Route#2 must be completed with Red cards, and Route#3 with Green cards. Only these specific colors can be used to complete these routes. During the gameplay, if a player has more cards than required to complete a constrained route (e.g., 4 Red cards in hand while both Route#2 and Route#4 are empty), the player should **prioritize completing the constrained routes first** (in this case, Route#2) rather than longer route since they have specific color requirements and are harder to fulfill compared to routes without constraints. If a player has 3 Green cards and 2 Red cards in hand, and both Route#3 and Route#2 are empty, the player should prioritize completing Route#3 first, as it is the longer of the two constrained routes. Additionally, players now **draw 4 cards from the deck** instead of 3 to speed up the game.

```
Welcome!
Lets shuffle the deck:
BGRRYBYMBRRYBMBRBYYYMYBYRGBYGYMBGGRMGMBMMBRGBGGMBBR
MGGMRYYMYRBRYGMMRYBYMGBRMRBGMGYMGBGBBYRYMRRRRMGGMG
MRBRMGYBGBMYGRBYYGGRMY
```

Game begins!

```
Player1: BGRRY
Player2: BYMBR
Player3: RYBMB
```

Game round #1

```
## Player1 ##
Previous Hand: BGRRY
Route Completed!
Current Hand: BGY
Route#2: RR
Route#3:
Route#4:
Route#5:
Route#6:
```

```
## Player2 ##
Previous Hand: BYMBR
Card Drawn: RBYY
Current Hand: BYMBRRBY
Route#2:
Route#3:
Route#4:
Route#5:
Route#6:
```

```
## Player3 ##
Previous Hand: RYBMB
Card Drawn: YMYB
Current Hand: RYBMBYMYB
Route#2:
Route#3:
Route#4:
Route#5:
Route#6:
```

Game round #2

```
## Player1 ##
Previous Hand: BGY
Card Drawn: YRGB
Current Hand: BGYRGB
Route#2: RR
Route#3:
Route#4:
Route#5:
Route#6:
```

```
## Player2 ##
Previous Hand: BYMBRRBY
Route Completed!
Current Hand: BYMBBY
Route#2: RR
Route#3:
Route#4:
Route#5:
```

Game round #7

```
## Player1 ##
Previous Hand: BYYRBBRB
Card Drawn: RYMY
Current Hand: BYYRBBRBRYMY
Route#2: RR
Route#3: GGG
Route#4: GGGG
Route#5:
Route#6:
```

```
## Player2 ##
Previous Hand: YMYMGMMBBRMGGM
Route Completed!
Current Hand: YMYMMMBBRMM
Route#2: RR
Route#3: GGG
Route#4: BBBB
Route#5:
Route#6:
```

```
## Player3 ##
Previous Hand: BBBGMB
Card Drawn: RBRY
Current Hand: BBBGMBRBRY
Route#2: RR
Route#3:
Route#4: MMMM
Route#5: YYYYY
Route#6:
```

Game round #8

```
## Player1 ##
Previous Hand: BYYRBBRBRYMY
Card Drawn: GMMR
Current Hand: BYYRBBRBRYMYGMMR
Route#2: RR
Route#3: GGG
Route#4: GGGG
Route#5:
Route#6:
```

```
## Player2 ##
Previous Hand: YMYMMMBBRMM
Route Completed!
Current Hand: YYYBBR
Route#2: RR
Route#3: GGG
Route#4: BBBB
Route#5:
Route#6: MMMMM
```

```
## Player3 ##
Previous Hand: BBBGMBRBRY
Card Drawn: YYBY
Current Hand: BBBGMBRBRYYYBY
Route#2: RR
Route#3:
Route#4: MMMM
Route#5: YYYYY
```

```

Route#6:

## Player3 ##
Previous Hand: RYBMBYMYB
Card Drawn: YGYM
Current Hand: RYBMBYMYBYGYM
Route#2:
Route#3:
Route#4:
Route#5:
Route#6:

##### Game round #3
## Player1 ##
Previous Hand: BGYYRGB
Card Drawn: BGGR
Current Hand: BGYYRGBBGGR
Route#2: RR
Route#3:
Route#4:
Route#5:
Route#6:

## Player2 ##
Previous Hand: BYMBBY
Card Drawn: MGBM
Current Hand: BYMBBYMGBM
Route#2: RR
Route#3:
Route#4:
Route#5:
Route#6:

## Player3 ##
Previous Hand: RYBMBYMYBYGYM
Route Completed!
Current Hand: RBMBMBGM
Route#2:
Route#3:
Route#4:
Route#5: YYYYY
Route#6:

##### Game round #4
## Player1 ##
Previous Hand: BGYYRGBBGGR
Route Completed!
Current Hand: BYRBBGR
Route#2: RR
Route#3: GGG
Route#4:
Route#5:
Route#6:

## Player2 ##
Previous Hand: BYMBBYMGBM
Route Completed!
Current Hand: YMYMGM
Route#2: RR
Route#3:
Route#4: BBBB
Route#5:
Route#6:

## Player3 ##
Previous Hand: RBMBMBGM
Card Drawn: MMBR
Current Hand: RBMBMBGMMBR
Route#2:
Route#3:
Route#4:
Route#5: YYYYY
Route#6:

##### Game round #5
## Player1 ##
Previous Hand: BYRBBGR
Card Drawn: GBGG
Current Hand: BYRBBGRGBGG

```

```

Route#6:

##### Game round #9
## Player1 ##
Previous Hand: BYRBBRBRYMYGMMR
Card Drawn: MGBR
Current Hand: BYRBBRBRYMYGMMRMGBR
Route#2: RR
Route#3: GGG
Route#4: GGGG
Route#5:
Route#6:

## Player2 ##
Previous Hand: YYYBBR
Card Drawn: RMBR
Current Hand: YYYBBRRMBR
Route#2: RR
Route#3: GGG
Route#4: BBBB
Route#5:
Route#6: MMMMM

## Player3 ##
Previous Hand: BBGMBRBRYYYBY
Route Completed!
Current Hand: GMRYYYY
Route#2: RR
Route#3:
Route#4: MMMM
Route#5: YYYYY
Route#6: BBBBBB

##### Game round #10
## Player1 ##
Previous Hand: BYRBBRBRYMYGMMRMGBR
Route Completed!
Current Hand: BYYBBBYMYGMMMGB
Route#2: RR
Route#3: GGG
Route#4: GGGG
Route#5: RRRRR
Route#6:

## Player2 ##
Previous Hand: YYYBBRRMBR
Card Drawn: GMGY
Current Hand: YYYBBRRMBRGMGY
Route#2: RR
Route#3: GGG
Route#4: BBBB
Route#5:
Route#6: MMMMM

## Player3 ##
Previous Hand: GMRYYYY
Card Drawn: MGBG
Current Hand: GMRYYYYMGBG
Route#2: RR
Route#3:
Route#4: MMMM
Route#5: YYYYY
Route#6: BBBBBB

##### Game round #11
## Player1 ##
Previous Hand: BYYBBBYMYGMMMGB
Card Drawn: BBYR
Current Hand: BYYBBBYMYGMMGBBBYR
Route#2: RR
Route#3: GGG
Route#4: GGGG
Route#5: RRRRR
Route#6:

## Player2 ##
Previous Hand: YYYBBRRMBRGMGY
Card Drawn: YMRR
Current Hand: YYYBBRRMBRGMGYYMRR

```

Route#2: RR
Route#3: GGG
Route#4:
Route#5:
Route#6:

Player2 ##
Previous Hand: YMYYMGM
Card Drawn: MBBR
Current Hand: YMYYMGMMBBR
Route#2: RR
Route#3:
Route#4: BBBB
Route#5:
Route#6:

Player3 ##
Previous Hand: RBMBMBGMMMBR
Route Completed!
Current Hand: BMBMBGMMMB
Route#2: RR
Route#3:
Route#4:
Route#5: YYYYY
Route#6:

Game round #6

Player1 ##
Previous Hand: BYYRBBGRGBGG
Route Completed!
Current Hand: BYYRBBRB
Route#2: RR
Route#3: GGG
Route#4: GGGG
Route#5:
Route#6:

Player2 ##
Previous Hand: YMYYMGMMBBR
Card Drawn: MGGM
Current Hand: YMYYMGMMBBRMGGM
Route#2: RR
Route#3:
Route#4: BBBB
Route#5:
Route#6:

Player3 ##
Previous Hand: BMBMBGMMMB
Route Completed!
Current Hand: BBBGMB
Route#2: RR
Route#3:
Route#4: MMMM
Route#5: YYYYY
Route#6:

Route#2: RR
Route#3: GGG
Route#4: BBBB
Route#5:
Route#6: MMMMM

Player3 ##
Previous Hand: GMRRYYYYMGBG
Route Completed!
Current Hand: MRRYYYYMB
Route#2: RR
Route#3: GGG
Route#4: MMMM
Route#5: YYYYY
Route#6: BBBBBB

Game finished!

Player1 total route points: 14, Player1's
remaining card count in the hand: 19
Player2 total route points: 15, Player2's
remaining card count in the hand: 18
Player3 total route points: 20, Player3's
remaining card count in the hand: 9
Number of remaining cards on deck 30
TOTAL = 125