

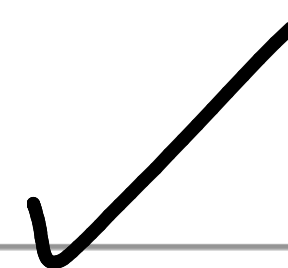
① Coins we have = 65, 50, 1 c

(write units
for all the
problems)

Amount = 100 c

Minimum using greedy approach = 36 (1-65; 35-1)

Minimum = 2 (2-50 c)



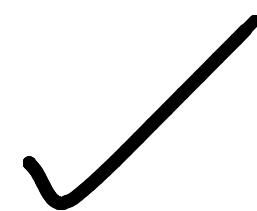
$$\begin{array}{r} 100 \\ - 65 \\ \hline 35 \end{array}$$



② coins we have = 25, 11, 1
Amount = 55

Minimum using greedy approach = 7
(2-25c; 5-1c)

Minimum = 5 (5-11c)

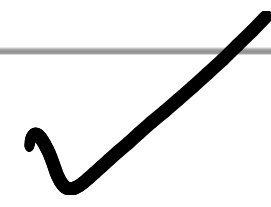


③ Coins we have = 24, 23, 22, 1

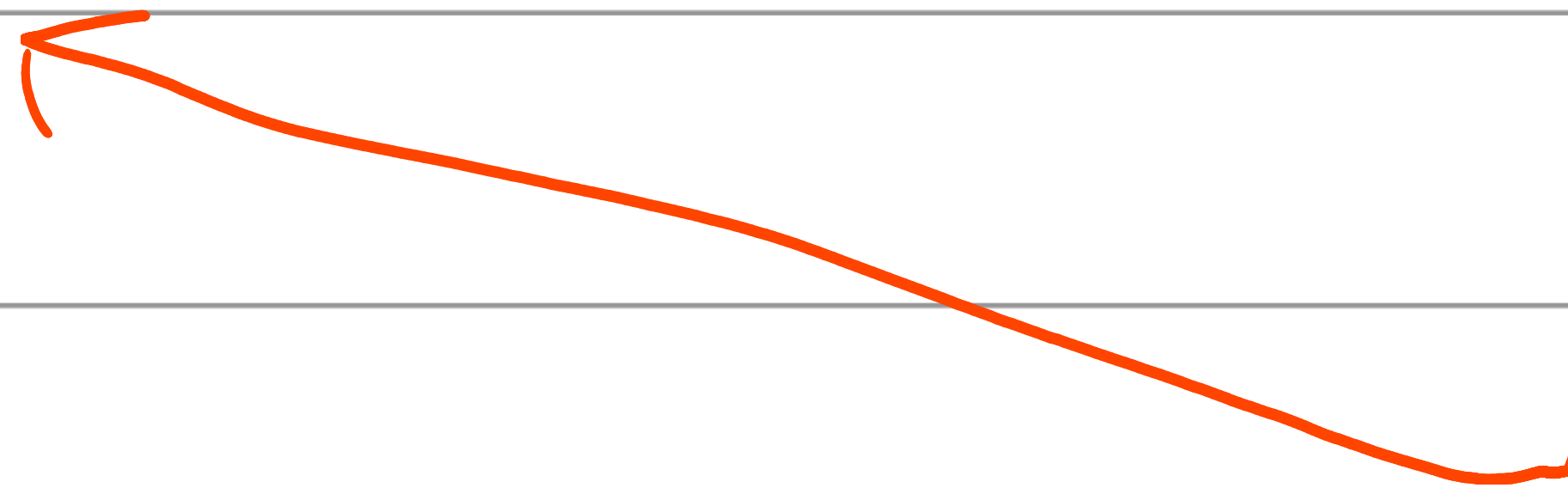
Amount = 66

Minimum using greedy approach = 20 (2-24; 8-1)

Minimum = 3 (3-22C)



$$\begin{array}{r} -1 \\ 66 \\ -48 \\ \hline 18 \end{array}$$

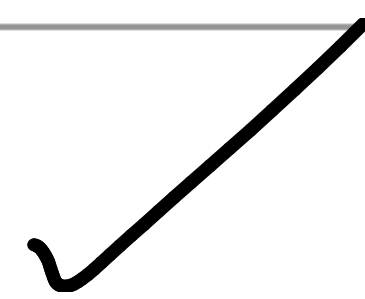


④ coins we have = 21, 19, 16, 1

Amount = 57

Minimum using greedy approach = 17

Minimum = 3 (3 - 19c) (2-2k; 15 - 1/c)



⑤ Coins we have = 1, 8, 1

Amount = 56

Minimum using greedy approach = 8

Minimum = 7 (7-8C)

(6-9C; 2-1C)

