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Part 2

(Breadth First Search from start)
Goal found
Breadth first search state counter: 80
BFS result: (Location: battery
Sample Extracted?: True
Holding Sample?: False
Dropped Off Sample?: True
Charged? True
Holding Tool? True
, 'charge')

(Depth first search from start)
Goal found
Depth first search state counter: 70
DFS result: (Location: battery
Sample Extracted?: True
Holding Sample?: True
Dropped Off Sample?: True
Charged? True
Holding Tool? True
, 'charge')

(Depth limited search from start - limit=10)
Goal found
Depth limited search state counter: 52
DLS result: (Location: battery
Sample Extracted?: True
Holding Sample?: False
Dropped Off Sample?: True
Charged? True
Holding Tool? True
, 'charge')
Limit: 10

(BFS to sample goal)
Goal found
Breadth first search state counter: 3
Move to sample result: (Location: sample
Sample Extracted?: False
Holding Sample?: False
Dropped Off Sample?: False
Charged? False
Holding Tool? False
, 'move_to_sample')

(BFS to sample removed goal from sample)
Goal found
Breadth first search state counter: 23
Remove sample result: (Location: sample
Sample Extracted?: True
Holding Sample?: True
Dropped Off Sample?: False
Charged? False
Holding Tool? True
, 'pick_up_sample')

(BFS to battery from removed sample)
Goal found
Breadth first search state counter: 3
Return to charger result: (Location: battery
Sample Extracted?: True
Holding Sample?: True
Dropped Off Sample?: False
Charged? False
Holding Tool? True
, 'move_to_battery')