$[1, 2, 5]$ $amount = 6$
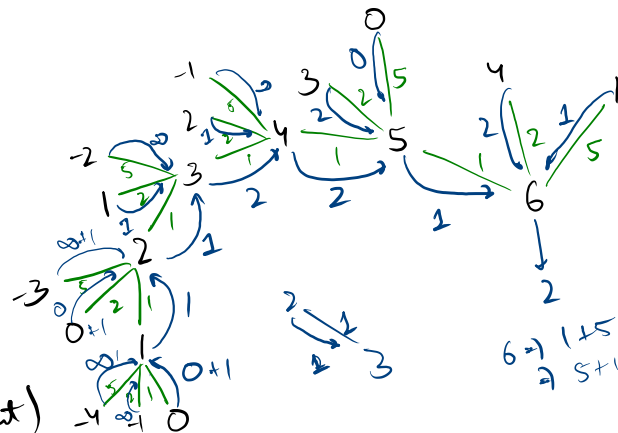
```
func recur(coins, amt) {
  if (amt == 0) return 0
  if (amt < 0) return ∞

  ans = ∞
  for (int coin : coins) {
    remain amt = amt - coint;
    minCount = recur(coins, remainAmt)
    ans = Math.min(ans, minCount);
  }
  return ans + 1;
}
```


$[2]$ $ans = 3$