

$b[1], b[2], \dots, b[m]$

$dp[1], dp[2], \dots, dp[n] = \{0\}$

int f (int n)

{

 if(n == 0) return 0

 If(dp[n] != 0) return dp[n]

 int a = INF

 For i = 1 to m

 If($n - b[i] \geq 0$) $a = \min(a, f(n - b[i]) + 1)$

 dp[n] = a;

 return dp[n];

}