Implementing the Subset Sum Problem using Dynamic Programming

Given a set, ***S = {1, 3, 4, 7, 10}*** and ***Sum = 9***. Using ***Dynamic Programming*** paradigm, determine if there exists any subset of the given set with sum of elements equal to the given sum.

	0	***1***	***2***	***3***	***4***	***5***	***6***	***7***	***8***	***9***
0	***T***	***F***	***F***	***F***	***F***	***F***	***F***	***F***	***F***	***F***
1	***T***	***T***	***F***	***F***	***F***	***F***	***F***	***F***	***F***	***F***
3	***T***	***T***	***F***	***T***	***T***	***F***	***F***	***F***	***F***	***F***
4	***T***	***T***	***F***	***T***	***T***	***T***	***F***	***T***	***T***	***F***
7	***T***	***T***	***F***	***T***	***T***	***T***	***F***	***T***	***T***	***F***
10	***T***	***T***	***F***	***T***	***T***	***T***	***F***	***T***	***T***	***F***