$$M = 8$$
  $P = 21, 2, 5, 6$   
 $N = 4$   $W = 22, 3, 4, 5$ 

$$x_1 x_2 x_3 x_4 8-b=2$$
 $0 1 0 1$ 

n = 4, W = 5 (weight, value) = (2,3), (3,4), (4,5), (5,6)

		0	1	2	3	4	5 🕈		_ knapsa capacit	ck				
	0	0	0	0	0	0	0		сараст	7 -				
	1	0												
	1,2	0								-				
	1,2,3	0								-				
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00				1	0 0					0	0	0		
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y <u>s</u>			3		0	C		3	4	4	4	7		
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P.T.D

## Longest Common Subsequence

$$S_1 = S t o n e$$
  
 $S_2 = l o n g e s t$ 

else LCS[i,j]. max (LCS[1-1,j], LCS[i,j-1])