Dynamic Distillery – recursion

You have been put in charge of launching Dynamic Distillery's new bourbon whiskey. There are 4 nonoverlapping phases: research, development, manufacturing system design, and initial production and distribution. Each phase can conducted the two speeds: normal or priority. The times required (in months) to complete each phases at the two speeds are:

Level	Research	Development	Manufacturing System Design	Initial Production and Distribution
Normal	4	3	5	2
Priority	2	2	3	1

The costs (in millions of $) of complete each phase at the two speeds are:

Level	Research	Development	Manufacturing System Design	Initial Production and Distribution
Normal	2	2	3	1
Priority	3	3	4	2

You have been given $10 million to execute the launch as quickly as possible. Formulate this problem as a dynamic program by giving its recursive representation. Solve the dynamic program.