## MA111: Contemporary mathematics

Task	Duration	Finish first	
A:	6 min	Nothing	
B:	5 min	Nothing	
C:	7 min	Nothing	
D:	2 min	А, В	
E:	5 min	С	

What is the very fastest this can be finished with unlimited workers?

Draw a time-line that finishes within 1 minute of that, but with only 2 workers.

Schedule:

- Most written projects are graded, should finish today.
- Mini-exam 4 mostly marked, should finish tomorrow.
- Exam 4 is Tue Dec 16th, 2014 from 3:30pm to 5:30pm

Today we'll try a bigger example.

Draw your own graph!

Task	Duration	Finish first
AP: Assemble Pad	7 min	Nothing
AF: Assemble Flooring	5 min	Nothing
AW: Assemble Wall Units	6 min	Nothing
AD: Assemble Dome Frame	8 min	Nothing
IF: Install Flooring	5 min	AP, AF
IW: Install Wall Units	7 min	IF, AW
ID: Install Dome Frame	5 min	AD, IW
PL: Install plumbing	4 min	IF
IE: Install electrical	4 min	IW
AC: Install compressor	3 min	IE, ID
HV: Install ducts	4 min	IE
IT: Install toilets	1 min	PL, HV
FI: Finish interior	6 min	IT
PD: Pressurize dome	3 min	HV
IA: Install appliances	2 min	HV, AC



• Write down your best schedule from the worksheet.

Get some good food and rest. Next week is a hard week.