

Machine planning - Worksheet

Problem

Five products a, b, c, d, e has to be processed on two machines M_1 and M_2 . The processing time for each product on each machine is given. It is important that each product is first processed on machine M_1 and then on machine M_2 . As an example, we consider the production of a chocolate bar: on machine M_1 the melted chocolate is deposited into bars and on machine M_2 the chocolate bars are packed.

For which order of the products the total processing time – the interval between the time when the first product starts on machine M_1 and the time when the last products leaves machine M_2 – is the shortest? Describe your ideas and strategies!

	a	b	c	d	e
M_1	3	4	8	10	7
M_2	2	6	5	7	12

