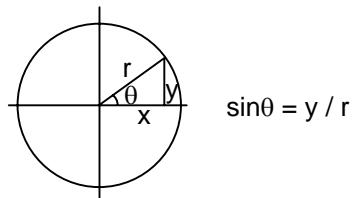
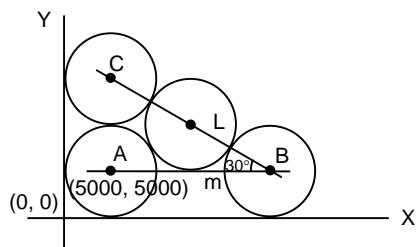


◎ Floating Point (SIN)

◆ Diagram



◆ Action Description

The circle with diameter is 10000 unit length, ask the length of Line m, i.e. the absolute coordinate of B point.

Formula : Line segment m = L × sin∠C

◆ Program

M8002	[DMOVP K60	D0	$\angle C = 60^\circ \rightarrow (D0)$ binary integer value
M8000	[DFLT D0 D4] Convert $\angle C$ to binary floating value $\rightarrow (D5, D4)$
	[DEDIV K31415926 K1800000000 D20	D20	$(\pi / 180) \rightarrow (D21, D20)$
	[DEMUL D4 D20	D30	$(D5, D4) \text{angle} \times (\pi / 180) \rightarrow (D31, D30)$ RAD binary floating value
	[DSIN D30 D32		$(D31, D30)$ RAD $\rightarrow (D33, D21)$ SIN binary floating value
	[DMUL K10000 K2	D40	The length of Line L is double of diameter
	[DFLT D40 D42] Convert Line L integer value to binary floating point format
	[DEMUL D42 D32	D100	D100 is the binary floating point value of Line m
	[DINT D100 D200] D200 is the binary integer value of Line m