1a) C2H4(4) + H2(2)	C2 H6 (2)
calculate	enthalpy of hydrogenation of chiene value of average bond enthalpies
MARC = CAND +	H-H -> H-C-C-H
# H	
	t (612) + (436) + (6(-413) + (-347)
= -1:	

4)	Enthology of hydrogenation of cyclohexine;
a	CCHA+H > CH
	DH= (614) + 5(346) + 10(414) + 6(-346) + 12(-414)
	- 6484 - 2044 = - 560 mJ