Dual Form of Sym Soft-margin_ SVM min Illwll ticzei min wib N.t. Ji (wīng tb) 7/ 1- Sei, Vi Ect 7/0000 11-1-1-1 The Dual Form of Sym i's max Bai - 1 = 2 didjyidjalizij Sit. di 7/0 and Zi di fi =0 minimizing Hull is In SYM instead of solving the Primal Problem, We solve Dual Problem Form By companing the both the form we can say that

1) for every zi we have corresponding Points that modify & Tillson tout glaids Exinally in the source only in the form of at xj 3) flog) = Z difi xi xor + b in the contract by the foint. 4 di 700, only for spoupport vectors. andali=0 i for non-pupport vector. too= Z didi xi xa +b for SVS die 70 for MSYS di=0 : to compute focar) the only point that matters it your suggest rector

Hence the behaviour of SVM, the only points that matters is Support Vectors
This is the Reapon the whole algorithm is ramed as support vector machine
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