Artificial Intelligence Mid-1 **(Sl**ide **1 -8)** ■ **Int**ro **& Age**nts ■ **Age**nts **& Env**ironment ■ **Lea**rning **Age**nt **& Pro**blem **Sol**ving **Age**nt ■ **Uni**form **Sea**rches ■ **BFS** ■ **DFS** ■ **Dep**th **Lim**ited **Sea**rch ■ **Ite**rative **Dee**pening **Sea**rch ■ **Uni**form **Cos**t **Sea**rch ■ **Bi-**Directional **Sea**rch ■ **Inf**ormed **Sea**rches ■ **Bes**t **Fir**st **Sea**rch ■ **A* Sea**rch ■ **Adm**issible **Heu**ristic ■ **Rec**ursive **Bes**t **Fir**st **Sea**rch **Mid**-2 **(Sl**ide **9 -16**) ■ **Adv**ersarial **Sea**rches ■ **Gam**e **Sea**rches ■ **Min**i **-Ma**x ■ **Alp**ha **Bet**a **Pru**ning ■ **Cla**ssical **Sea**rches ■ **Loc**al **Sea**rch **Alg**orithms ■ **Hil**l **Cli**mbing **Sea**rch ■ **Sim**ulated **Ann**ealing ■ **Loc**al **Bea**m **Sea**rch ■ **Con**straint **Sat**isfaction **Pro**blems ■ **Cry**pt **-Ar**ithmetic ■ **CSP as sta**ndard **sea**rch ■ **For**ward **Che**cking ■ **Con**straint **Pro**pagation ■ **For**ward **Che**cking **wit**h **bac**ktracking ■ **For**ward **Che**cking **wit**h **bac**ktracking **wit**h **Dyn**amic **Ord**ering ■ **Log**ic ■ **Ent**ailment ■ **Pro**positional **Log**ic ■ **Ent**ailment ■ **Inf**erence ■ **Pro**positional **Res**olution **Fin**als **(Sl**ide **17 -25**) ■ **Log**ic ■ **Fir**st **Ord**er **Log**ic ■ **Inf**erence **in FOL** ■ **Uni**fication ■ **Res**olution **in FOL** ■ **Gre**en's **Tic**k ■ **Lea**rning ■ **Typ**es **of Lea**rning ■ **Sup**ervised **Lea**rning ■ **Uns**upervised **Lea**rning ■ **Sem**i-supervised **Lea**rning ■ **Rei**nforcement **Lea**rning ■ **Uns**upervised **Lea**rning ■ **Clu**st **eri**ng ■ **K-m**ean **Clu**stering ■ **K-m**edoids **Clu**stering ■ **ANN** ■ **Per**ceptron ■ **Per**ceptron **Tra**ining **Rul**e ■ **Del**ta **Rul**e ■ **Gra**dient **Dec**ent ■ **Mul**ti **-La**yer **Net**works ■ **Mul**tilayer **Per**ceptron ■ **Bac**k **Pro**pagation **Alg**orithm