RelationShips

Sept 10

Formally: Given n entity sets E,,..., En

- a <u>relationship</u> instance is association between n entities $r = (e_1, ..., e_n)$ we ext
 - a relationship type defines a format for an association (we will all this R.)
 - a relationship set a set of relationship instances of same type each entity set participates in R each entity participates in r

WARS- ED

WORKS_EOR relationship type

E1:0 EMPLOYE

E, DEPARTMENT

r= (e,,d,) relationship instance

2r, relationship set

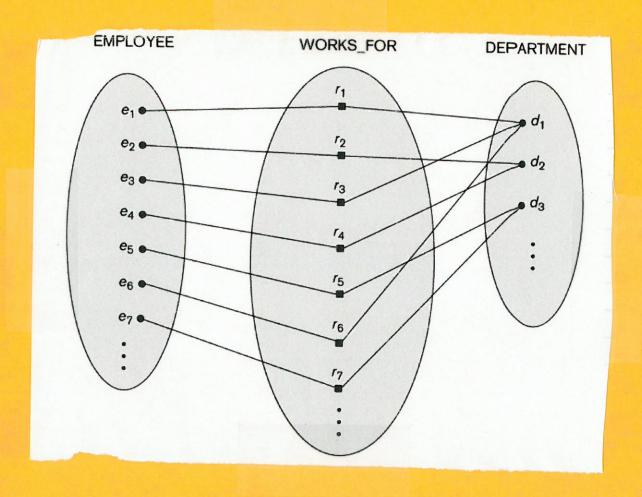
EMPLOYE "participates" in WORK_FOR

e, "participates" in [

In ER diagram's

- relationship types: diamonds w/ lines to participating entities

EMPLOYEE WORKS_FOR DEPARTMENT



degree of a relationship type: # of participating entity types - WORKS-FOR is degree 2 (binary relationship) - SUPPLY is degree 3 (ternary relationship)

