





































position	age	salary
		\$40,000
		\$20,000
		\$60,000 \$50,000
teacher	33	\$50,000 \$50,000
		. ,
position = tead	cher") =	140,000
age > 40 & po	sition $=$	teacher") should not be
	teacher aide principal teacher teacher position = teac	teacher 45 aide 20 principal 37 teacher 50

ACM of Database Queries

 $O_{i} = \{ \text{ objects referenced in query } i \}$ $f(o_{i}) = \{ \text{ read } \} \quad \text{for } o_{j} \in O_{i}, \text{ if } | \bigcap_{j=1,...,i} O_{j} | < 2$ $f(o_{i}) = \emptyset \quad \text{for } o_{j} \in O_{i}, \text{ otherwise}$ 1. $O_{1} = \{ \text{ Alice, Dilbert, Eve } \} \text{ and no previous query set, so:}$ $A[\text{asker, Alice}] = f(\text{Alice}) = \{ \text{ read } \}$ $A[\text{asker, Dilbert}] = f(\text{Dilbert}) = \{ \text{ read } \}$ $A[\text{asker, Eve}] = f(\text{Eve}) = \{ \text{ read } \}$ and query can be answered $April 6, 2004 \qquad \text{ES } 235 \qquad \text{Side #21}$











































