

```
CREATE TABLE TSTDEPT
(
DEPARTMENT_ID NUMBER(4),
DEPARTMENT_NAME VARCHAR2(30 BYTE) NOT NULL,
MANAGER_ID NUMBER(6),
LOCATION_ID NUMBER(4)
)
TABLESPACE MONTBS ;
```

```
CREATE TABLE TSTEMP
(
EMPLOYEE_ID NUMBER(6),
FIRST_NAME VARCHAR2(20 BYTE),
LAST_NAME VARCHAR2(25 BYTE) NOT NULL,
DEPT_ID NUMBER(4)
)
TABLESPACE MONTBS ;
```

```
ALTER TABLE TSTDEPT ADD (
CONSTRAINT DEPT_UK
UNIQUE (DEPARTMENT_ID));
```

```
ALTER TABLE TSTEMP ADD
CONSTRAINT EMP_DEP_FK
FOREIGN KEY (DEPT_ID)
REFERENCES TSTDEPT (DEPARTMENT_ID) ENABLE
VALIDATE
```

```
Insert into TSTDEPT
(DEPARTMENT_ID, DEPARTMENT_NAME)
Values
(75, 'paris');
```

```
Insert into TSTDEPT
(DEPARTMENT_ID, DEPARTMENT_NAME)
Values
(76, 'rouen');
COMMIT;
```

```
insert into TSTemp (EMPLOYEE_ID, FIRST_NAME, LAST_NAME, DEPT_ID ) values (1, 'DEEFOOL', 'John', 75);
```

SID	Lock Type	Mode Held	Mode Requested	Object Type	Object Name	Blocking	Session Blocked
318	Transaction	Exclusive	None			<input type="checkbox"/>	<input type="checkbox"/>
318	DML	Row-X (SX)	None	TABLE	TSTDEPT	<input type="checkbox"/>	<input type="checkbox"/>
318	DML	Row-X (SX)	None	TABLE	TSTEMP	<input type="checkbox"/>	<input type="checkbox"/>

```
alter table TSTEMP DROP CONSTRAINT EMP_DEP_FK;
```

```
ALTER TABLE TSTDEPT DROP CONSTRAINT DEPT_UK;
```

```
ALTER TABLE TSTDEPT ADD  
CONSTRAINT DEPT_PK  
PRIMARY KEY (DEPARTMENT_ID)  
ENABLE  
VALIDATE;
```

```
ALTER TABLE TSTEMP ADD  
CONSTRAINT EMP_DEP_FK  
FOREIGN KEY (DEPT_ID)  
REFERENCES TSTDEPT (DEPARTMENT_ID) ENABLE  
VALIDATE
```

```
insert into TSTemp (EMPLOYEE_ID, FIRST_NAME, LAST_NAME, DEPT_ID ) values (1, 'DEFOOL', 'John', 75);
```

SID	Lock Type	Mode Held	Mode Requested	Object Type	Object Name	Blocking	Session Blocked
318	Transaction	Exclusive	None			<input type="checkbox"/>	<input type="checkbox"/>
318	DML	Row-X (SX)	None	TABLE	TSTDEPT	<input type="checkbox"/>	<input type="checkbox"/>
318	DML	Row-X (SX)	None	TABLE	TSTEMP	<input type="checkbox"/>	<input type="checkbox"/>

In 9i, same testcase :

Row-S (SS) on parent table

Row-X (SX) on child table

SID	User	Lock Type	Mode Held	Mode Requested	Owner	Object Type	Object Name	Blocking	Session Blocked
9	SCOTT	Transaction	Exclusive	None				No	<input type="checkbox"/>
9	SCOTT	DML	Row-S (SS)	None	SCOTT	TABLE	DEPT	No	<input type="checkbox"/>
9	SCOTT	DML	Row-X (SX)	None	SCOTT	TABLE	EMP	No	<input type="checkbox"/>