3.有两个关系 S(A, B, C, D)和 T(C, D, E, F)，写出与下列查询等价的 SQL.

(1) $\sigma_{A=10}(S)$ SELECT * FROM S WHERE=10

(2) $\pi_{A,B}(S)$ SELECT DISTINCT A,B FROM S

(3) $S \bowtie T$

   SELECT A, B, S.C, S.D, E, F   FROM S,T   WHERE S.C=T.C AND S.D=T.D

(4) $S \underset{S.C=T.c}{\bowtie} T$

   SELECT A, B, S.C, S.D, T.C, T.D, E, F FROM S,T   WHERE S.C=T.C

(5) $S \underset{A<E}{\bowtie} T$

   SELECT A, B, S.C, S.D, T.C, T.D, E, F FROM S,T   WHERE A<E

(6) $\pi_{C,D}(S) \times T$

   SELECT   S1.C, S1.D, T.C, T.D, E, F
   FROM T,   (SELECT DISTINCT C, D FROM S)   AS   S1