
Algorithm 3 PTISSJ_Join(double M ,
HashTable $XRegionHT1$, XRegionSet X)

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1: ObjectPairSet  $R(objectID1, objectID2) \leftarrow \emptyset$ ;  
2: for each X-region  $x$  in  $X$  do  
3:   RecordSet  $RR(objectID, prob) \leftarrow XRegionHT1[x]$ ;  
4:   if  $|RR| > 1$  then  
5:     for  $i=0; i < |RR|-1; i++$  do  
6:       for  $j=i+1; j < |RR|; j++$  do  
7:         if  $RR[i].prob \cdot RR[j].prob > M$  then  
8:            $R \leftarrow R \cup (RR[i].objectID, RR[j].objectID)$ ;  
9: return  $R$ ;
```
