

## Correctness

Terminate if  $(n=1)$  return  $\infty$   
if  $(n=2)$  return dist  
of 2 pts

1. If closest pair of points are both on left we find in recursive call for left. Same for right.

2. a) We've argued that any pair of points not in  $\gamma$  strip need only be considered by 1.

b) We've argued that any pair in  $\gamma$  strip that could have  $\text{dist} < d$  is considered.