The $k$-centre problem

$$
\begin{array}{cc}
\because & \because \\
\because & \\
\because & \because
\end{array}
$$






$$
k=4
$$




$$
k=5
$$



Approximation greedy algorithm $k$-centre problem

$$
i=1
$$

Choice 1: Any site
 by choice 1 .





$$
k=5
$$



Radius of an optimal set of 5 centres

