Keep $A = \begin{pmatrix} 2 & 0 \\ 0 & 2/3 \end{pmatrix}$ and consider a general lattice Γ.

How can we construct $W_j \subset A^{-j}(U)$ such that each

W_j packs by translations & $\sum_{j<0} m(A^j(W_j)) = \infty$?

First, note that for $j \cancel{\geq 0}$, we get no help. $m(W_j) \leq C$

$\Rightarrow \sum m(A^{-j}(W_{-j})) < \infty$. We must look at

$W_j \subset A^{-j}(U)$ for $j > 0$.

Idea: let B be a Euclidean ball contained in U, so

$A^{-j}(B) \subset A^{-j}(U)$. If $W_j \subset A^{-j}(B)$ is the largest

subset of $A^{-j}(B)$ that packs by translations, what

must be true about $m(W_j)$ to get ③?