

Task

Given a piece of text encoded with a simple monoalphabetic substitution cipher, use basic cryptanalytic techniques to recover the original plain text. You will be provided with a special dictionary file that you can read from *dictionary.lst*. It will consist of one word per line.

Input Format

The input ciphertext will consist of a string of space separated enciphered words from the provided *dictionary.lst* file that is accessible to your code. The dictionary contains technical jargon and may not be entirely representative of English language plain text, so frequency analysis techniques may not be entirely helpful.

Constraints

- $1 \leq \text{words in dictionary.lst} \leq 1700$
- $1 \leq \text{words in input} \leq 100$

Output Format

Output the decrypted plain text. The output will be a string of space separated words from the provided dictionary. You'll be scored based on how accurately you recover the original text.

Sample Input

```
lhpohe gvjhe ztytwojmmtel lgsfcgver segpsltjyl vftstelc djfl rml catroel jscvjqqjyfo mjlesl lcjmmfge egvj
gsfyhtyq sjfgver csfaotyq lfxtyq gjywplesl lxljm dxccl mpyctyq ztytwojmmtelel mfcgv spres mjm psgvty bfml
ofle mjlc dtc tygfycfctjy dfsyl zpygvel csfao yealqsjpml atyl lgsjql qyfsotelc fseyf ojlllel gjzmselltyq
wphtelc zplttl weygel afyher rstnesl aefleo rtyhes mvflel yphe rstnes qojder dtwwer lojml mfcgvel reocfl
djzder djpygtyq gstmoeafsel reg cpdel qspyqe mflctel csflvtyq vfcl avfghtyq vftsdfool mzer rsjye wjjol psol
mplvtyq catroel mvfge lgseey leqzeycer wjseqsjpyrer lmjtoes msjwtoel docl djpyger cjpstlcl goefy gojddesl
mjrl qjddoe gjy gpdtyql lyftotyq rjayojfr swgl vjle atrqec gjzmfgces frfl qotcgver gspzd zftodjzdl lyfsh
```

Sample Output

```
skulker choke minifloppies scratched recursions hairiest boas dps twiddles orthogonal posers stoppage echo
cranking roached trawling saying confusers sysop bytes punting minifloppieses patch ruder pop urchin zaps
lase post bit incantation barns munches trawl newsgroups wins scrogs gnarliest arena losses compressing
funkiest musics fences wanked drivers weasel dinker phases nuke driver globed biffed slops patches deltas
bombed bouncing cripplewares dec tubes grunge pasties trashing hats whacking hairballs pmed drone fools urls
pushing twiddle phage screen segmented foregrounded spoiler profiles blts bounced tourists clean clobbers
pods gobble con cubings snailing download rfcs hose widget compacter adas glitched crumb mailbombs snark
```