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

$1 \leq$ words in dictionary.lst ≤ 1700
$1 \leq$ words in input ≤ 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

```
lhpohes gvjhe ztytwojmmtel lgsfcgver segpsltjyl vftstelc djfl rml catrroel jscvjqjyfo
mjlesl lcjmmfqe egvj gsfyhtyq sjfgver csfaotyq lfxtyq gjywplesl lxljm dxcel mpyctyq
ztytwojmmtelel mfcgv spres mjm psgvty bfml ofle mjlc dtc tygfycfctjy dfsyl zpygvel csfao
yealqsjpml atyl lgsjql qyfsotelc fseyf ojllel gjzmselltyq wpyhtelc zpltgl weygel afyher
rstnesl aefleo rtyhes mvflel yphe rstnes qojder dtwwer lojml mfcgvel reocfl djzder
djpygtyq gstmmoeafsel reg cpdel qspyqe mflctel csflvtyq vfcl avfghtyq vftsdfool mzer
rsjye wjjol psol mplvtyq catrroe mvfqe 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
```