



Web Developer Application Challenge

Thank you for applying for the Web Developer position at Portia! We're very excited to have heard from you and after looking at your application; we're interested in testing out your coding and problem solving abilities.

Below is a programming challenge that should take less than an hour to solve. Once you've come up with the solution, send us an email back with your answer and the source code for your solution.

Please use either php or Javascript as your coding language. If you could not come up with the solution but are happy with your code and approach, send it along anyway.

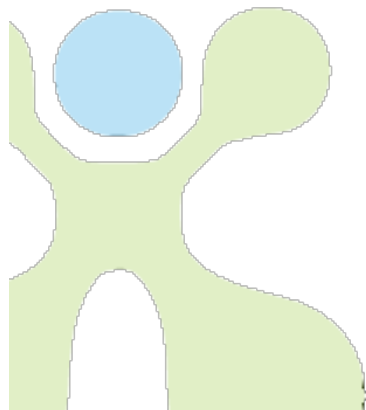
Find a 9 letter string of characters that contains only letters from
Acdegilmnoprstuw
such that the hash(the_string) is
945924806726376
if hash is defined by the following pseudo-code:

```
Int64 hash (String s) {  
    Int64 h = 7  
    String letters = "acdegilmnoprstuw"  
    for(Int32 i = 0; i < s.length; i++) {  
        h = (h * 37 + letters.indexOf(s[i]))  
    }  
    return h  
}
```

For example, if we were trying to find the 7 letter string where hash(the_string) was 680131659347, the answer would be "leepadg".

Note: If we like your code, we will call you in for an interview. During the interview, we will spend a fair bit of time talking about your solution so **Don't Cheat!**

Good luck and we look forward to hearing from you!



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