

Hash function lookup table:

plaintext	Hash of plaintext
♥♥♥♥	4A7D1ED414474E4033AC29CCB8653D9B
♥♥♥★	25BBD0CD06C32D477F7FA1C3E4A91B032
♥♥★♥	FC1198178C3594BFDDA3CA2996EB65CB
♥♥★★	AE2BAC2E4B4DA805D01B2952D7E35BA4
♥★♥♥	DB2F40F24260BC41DB48D82D5E7ABF1D
♥★♥★	814F06AB7F40B2CFF77F2C7BDFFD3415
♥★★♥	2A66ACBC1C39026B5D70457BB71B142B
♥★★★★	7D7C45B9A935CF9D845FC75679A41559
★♥♥♥	A9B7BA70783B617E9998DC4DD82EB3C5
★♥♥★	B8C37E33DEFDE51CF91E1E03E51657DA
★♥★★	1E48C4420B7073BC11916C6C1DE226BB
★♥★★★★	7F975A56C761DB6506ECA0B37CE6EC87
★★♥♥	1E6E0A04D20F50967C64DAC2D639A577
★★♥★	C6BFF625BDB0393992C9D4DB0C6BBE45
★★★★♥	2CBCA44843A864533EC05B321AE1F9D1
★★★★★	B59C67BF196A4758191E42F76670CEBA

func reducer(c,i):

Convert the ith hexadecimal digit of c into a plaintext using the following table:

hex	plaintext
0	♥♥♥♥
1	♥♥♥★
2	♥♥★♥
3	♥♥★★
4	♥★♥♥
5	♥★♥★
6	♥★★★★
7	♥★★★★
8	★♥♥♥
9	★♥♥★
A	★♥★★
B	★♥★★★★
C	★★★★♥
D	★★★★★
E	★★★★♥
F	★★★★★

Find the first three rainbow chains of length 3.