

Ollivander's Inventory **■**



Problem	Submissions	Leaderboard	Discussions	

Harry Potter and his friends are at Ollivander's with Ron, finally replacing Charlie's old broken wand.

Hermione decides the best way to choose is by determining the minimum number of gold galleons needed to buy each *non-evil* wand of high power and age. Write a query to print the *id*, *age*, *coins_needed*, and *power* of the wands that Ron's interested in, sorted in order of descending *power*. If more than one wand has same power, sort the result in order of descending *age*.

Input Format

The following tables contain data on the wands in Ollivander's inventory:

• Wands: The id is the id of the wand, code is the code of the wand, coins_needed is the total number of gold galleons needed to buy the wand, and power denotes the quality of the wand (the higher the power, the better the wand is).

Column	Туре
id	Integer
code	Integer
coins_needed	Integer
power	Integer

• Wands_Property: The code is the code of the wand, age is the age of the wand, and is_evil denotes whether the wand is good for the dark arts. If the value of is_evil is 0, it means that the wand is not evil. The mapping between code and age is one-one, meaning that if there are two pairs, $(code_1, age_1)$ and $(code_2, age_2)$, then $code_1 \neq code_2$ and $age_1 \neq age_2$.

Column	Туре
code	Integer
age	Integer
is_evil	Integer

Sample Input

Wands Table:

id	code	coins_needed	power
1	4	3688	8
2	3	9365	3
3	3	7187	10
4	3	734	8
5	1	6020	2
6	2	6773	7
7	3	9873	9
8	3	7721	7
9	1	1647	10
10	4	504	5
11	2	7587	5
12	5	9897	10
13	3	4651	8
14	2	5408	1
15	2	6018	7
16	4	7710	5

17	2	8798	7
18	2	3312	3
19	4	7651	6
20	5	5689	3

Wands_Property Table:

code	age	is_evil
1	45	0
2	40	0
3	4	1
4	20	0
5	17	0

Sample Output

Explanation

The data for wands of age 45 (code 1):

id	age	coins_needed	power
5	45	6020	2
9	45	1647	10

- The minimum number of galleons needed for wand(age = 45, power = 2) = 6020
- ullet The minimum number of galleons needed for wand(age=45,power=10)=1647

The data for wands of age 40 (code 2):

id	age	coins_needed	power
14	40	5408	1
18	40	3312	3
11	40	7587	5
15	40	6018	7
17	40	8798	7
6	40	6773	7

- ullet The minimum number of galleons needed for wand(age=40,power=1)=5408
- ullet The minimum number of galleons needed for wand(age=40,power=3)=3312
- ullet The minimum number of galleons needed for wand(age=40,power=5)=7587
- The minimum number of galleons needed for wand(age = 40, power = 7) = 6018

The data for wands of age 20 (code 4):

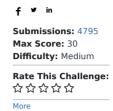
id	age	coins_needed	power
10	20	504	5
16	20	7710	5
19	20	7651	6
1	20	3688	8

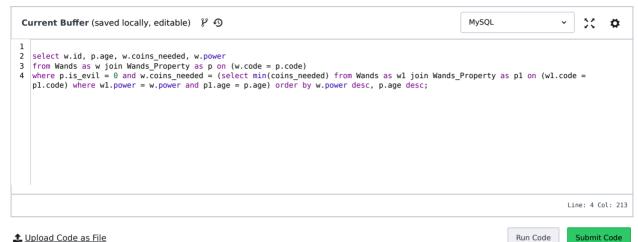
- The minimum number of galleons needed for wand(age = 20, power = 5) = 504
- ullet The minimum number of galleons needed for wand(age=20,power=6)=7651
- ullet The minimum number of galleons needed for wand(age=20,power=8)=3688

The data for wands of age 17 (code 5):

id	age	coins_needed	power
20	17	5689	3
12	17	9897	10

- ullet The minimum number of galleons needed for wand(age=17,power=3)=5689
- The minimum number of galleons needed for wand(age = 17, power = 10) = 9897





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Congratulations, you passed the sample test case.
Click the Submit Code button to run your code against all the test cases.

Your Output (stdout)

1038 496 4789 10
1130 494 9439 10
11315 492 4126 10
9 491 7345 10
888 483 4352 10
1164 481 9831 10
1288 464 4952 10
861 462 8392 10
412 455 5625 10
996 451 8884 10
1688 468 8351 10
1376 443 1735 10
1336 439 1512 10
1338 439 1512 10
1633 425 2206 10
1197 419 3468 10
441 416 2588 10
441 416 2588 10
441 416 2588 10
441 416 2588 10
441 416 2588 10
441 416 2588 10
442 413 397 10
1298 397 3810 10
1298 397 3810 10
1338 393 926 10
338 393 927 10
348 347 710
358 374 2916 10
428 374 2916 10
438 344 8855 10
448 349 1999 10
848 344 8855 10
1485 349 741 10
1583 339 3867 10
938 337 881 10
1583 339 3867 10
938 337 881 10
1583 339 3867 10
938 337 881 10
1583 33 98 887 110
1583 33 98 387 10
1885 316 781 10
1898 337 881 10
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1773 308 3489 10
1//3 308 3489 10
999 301 7322 10
1456 286 6221 10
405 284 1187 10
1903 283 5954 10
114 279 7915 10
525 278 3247 10
525 278 3247 10
707 275 8110 10
1040 271 4993 10
1655 264 2027 10
266 263 2106 10
1520 259 2533 10
426 255 9950 10
1214 254 3927 10
1161 240 4875 10
470 235 1794 10
383 229 918 10
708 222 941 10
564 219 4073 10
1709 211 6749 10
988 209 1775 10
1846 208 529 10
1854 206 4798 10
1854 206 4798 10
668 205 1985 10
720 199 601 10
579 189 2951 10
1369 181 6762 10
608 177 7538 10
1723 176 619 10
1723 176 619 10
447 172 4329 10
993 171 2922 10
365 168 4144 10
466 158 5958 10
1434 494 683 9
519 487 6652 9
 1184 483 7376 9
582 481 615 9
 1556 466 6648 9
1430 464 9556 9
1430 464 9556 9
834 455 557 9
644 446 5487 9
260 438 5182 9
189 434 5486 9
1687 430 1188 9
458 416 9740 9
494 414 5869 9
367 413 8763 9
451 398 1581 9
1500 395 7326 9
277 389 2097 9
1472 386 4466 9
 373 381 8547 9
1032 380 917 9
1032 380 917 9
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607 374 3734 9
926 367 792 9
1347 364 6443 9
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101 348 3200 9
 1323 345 868 9
919 340 643 9
 1570 337 9490 9
679 335 2992 9
679 335 2992 9
1183 310 1738 9
647 308 3172 9
472 306 2022 9
965 297 4329 9
 1098 292 5141 9
1300 290 4041 9
719 279 5192 9
1327 278 715 9
1872 275 6149 9
1753 271 4826 9
 1810 264 2868 9
1116 263 5321 9
1781 255 7991 9
110 254 5558 9
839 249 3362 9
1555 247 739 9
 461 243 6003 9
1720 240 9556 9
 520 233 2584 9
882 229 3085 9
 1772 219 1780 9
416 211 7726 9
1400 209 1568 9
54 208 1507 9
111 205 7125 9
452 202 2760 9
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1177 158 5001 9
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1669 380 623 8
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995 376 954 8

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1015 264 1696 8
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288 254 6100 8
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872 229 824 8
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 398 481 1990 7
1190 466 8050 7
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 1357 240 624 7
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748 283 8332 3
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1470 206 6215 3
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709 181 4942 3
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1646 464 6785 2
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729 395 2208 2
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1957 380 9673 2
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1235 353 2522 2
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798 344 3185 2
299 343 1255 2
279 340 2284 2
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 1930 164 3480 2
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753 487 5687 1
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146 443 5967 1
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1962 337 555 1
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1612 310 2438 1
89 308 899 1
89 308 899 1
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642 286 799 1
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1945 176 653 1
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517 168 604 1
 775 158 1684 1
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