Evidencia TC2_Unix2GitHub1

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MINGW64:/c/Users/LENOVO/downloads/bioinformatica/CSB-master

```
LENOVO@StalinPC MINGW64 ~
$ cd downloads

LENOVO@StalinPC MINGW64 ~/downloads
$ cd bioinformatica

LENOVO@StalinPC MINGW64 ~/downloads/bioinformatica
$ cd CSB-master

LENOVO@StalinPC MINGW64 ~/downloads/bioinformatica/CSB-master
$ ls
AgGCN1.0_properties.csv  CSB-master/

LENOVO@StalinPC MINGW64 ~/downloads/bioinformatica/CSB-master
$
```

MINGW64:/c/Users/LENOVO/downloads/bioinformatica/CSB-master

```
LENOVO@StalinPC MINGW64 ~
$ cd downloads

LENOVO@StalinPC MINGW64 ~/downloads
$ cd bioinformatica

LENOVO@StalinPC MINGW64 ~/downloads/bioinformatica
$ cd CSB-master

LENOVO@StalinPC MINGW64 ~/downloads/bioinformatica/CSB-master
$ ls
AgGCN1.0_properties.csv  CSB-master/

LENOVO@StalinPC MINGW64 ~/downloads/bioinformatica/CSB-master
$ cut -d "," -f 1,4,6 AgGCN1.0_properties.csv > EigenBetw.tsv

LENOVO@StalinPC MINGW64 ~/downloads/bioinformatica/CSB-master
$ |
```

```
LENOVO@StalinPC MINGW64 ~/downloads/bioinformatica/CSB-master
$ nano tc_GuaiguaStalin.sh

LENOVO@StalinPC MINGW64 ~/downloads/bioinformatica/CSB-master
$ bash tc_GuaiguaStalin.sh


Comando para escoger las 7 primeras filas


id,eigenvector,betweenness
AGAP000002,0.008787135,2.91E-05
AGAP000005,0.013750498,0.000171241
AGAP000007,7.90E-06,0
AGAP000008,0.000383447,1.22E-06
AGAP000009,0.013802427,0.000654142
AGAP000010,0.000101576,0


Comando para escoger las 5 ultimas filas
AGAP029781,0.000987921,1.49E-05
AGAP029784,3.45E-05,0.000155039
AGAP029786,0.000146935,5.04E-05
AGAP029787,9.99E-06,1.22E-07
AGAP029789,0.001757408,0.001160083
```

```
LENOVO@StalinPC MINGW64 ~/downloads/bioinformatica/CSB-master
$ cat tc_GuaiguaStalin.sh
#!bin/bash
echo -e "\n"
echo "Comando para escoger las 7 primeras filas"
echo -e "\n"
head -n 7 EigenBetw.tsv
echo -e "\n"
echo "Comando para escoger las 5 ultimas filas"
tail -n 5 EigenBetw.tsv

LENOVO@StalinPC MINGW64 ~/downloads/bioinformatica/CSB-master
$ |
```

```
LENOVO@StalinPC MINGW64 ~/downloads/bioinformatica/CSB-master
$ nano tc_GuaiguaStalin2.sh

LENOVO@StalinPC MINGW64 ~/downloads/bioinformatica/CSB-master
$ bash tc_GuaiguaStalin2.sh




Escoger los id que terminen en 5 y ordenar la columna betweennes



LENOVO@StalinPC MINGW64 ~/downloads/bioinformatica/CSB-master
$ cat tc_GuaiguaStalin2.sh
#!bin/bash
echo -e "\n"
#2da Parte
echo -e "\n"
echo "Escoger los id que terminen en 5 y ordenar la columna betweennes"
echo -e "\n"
grep AGAP[0-9]*5, EigenBetw.tsv | sort -k 2 -t, -n > EigenBetw5.csv

LENOVO@StalinPC MINGW64 ~/downloads/bioinformatica/CSB-master
$ |
```

```
LENOVO@StalinPC MINGW64 ~/downloads/bioinformatica/CSB-master
$ cat EigenBetw5.csv
AGAP008795,0.000103152,0.000140994
AGAP009165,0.00010352,0.000359872
AGAP007475,0.000103595,0.000169592
AGAP003085,0.000103991,4.30E-05
AGAP029465,0.000105491,4.20E-06
AGAP012335,0.00010638,1.51E-07
AGAP001865,0.000106675,9.39E-05
AGAP013395,0.000107403,1.10E-06
AGAP001745,0.000107414,1.14E-05
AGAP003315,0.000108921,4.31E-08
AGAP007955,0.00010993,2.84E-06
AGAP012105,0.000110572,0.000113206
AGAP008885,0.000111171,7.19E-09
AGAP000815,0.000112274,3.96E-05
AGAP000015,0.000112631,4.18E-05
AGAP012295,0.000112978,9.64E-07
AGAP012865,0.000113244,5.30E-06
AGAP002455,0.00011495,1.63E-05
AGAP008525,0.000116183,7.19E-06
AGAP005055,0.00011652,0.000276245
AGAP009495,0.000118546,0.000104531
AGAP000445,0.000119093,0.000155039
AGAP028455,0.000119167,2.47E-06
AGAP013445,0.000120005,2.65E-06
AGAP002185,0.000120636,0
AGAP005855,0.000126044,4.03E-06
AGAP010985,0.000126404,5.99E-05
AGAP007215,0.000126839,1.36E-05
AGAP009975,0.000126886,1.98E-05
AGAP011905,0.000126937,7.27E-06
AGAP029365,0.000128362,6.11E-05
AGAP010935,0.000128412,3.83E-05
AGAP003165,0.000128485,1.29E-07
AGAP000995,0.000129067,5.63E-06
AGAP006245,0.000129673,0.000201797
AGAP004065,0.000130004,1.22E-07
AGAP009615,0.00013006,5.10E-05
AGAP004725,0.000131644,1.03E-05
AGAP006235,0.000133496,0
AGAP010415,0.00013363,1.55E-05
AGAP004855,0.000133646,6.16E-06
AGAP005455,0.00013433,0.000146441
AGAP010485,0.000138781,0
AGAP027985,0.000138871,1.01E-05
AGAP003575,0.000139617,0
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AGAP003575,0.000139617,0
AGAP006355,0.000139668,5.07E-05
AGAP008705,0.000140241,0
AGAP000865,0.00014032,2.93E-05
AGAP006105,0.000140582,6.39E-05
AGAP010895,0.000141337,0.000440684
AGAP013015,0.000142678,1.86E-05
AGAP006135,0.000143293,7.35E-06
AGAP009205,0.000144181,0.000298686
AGAP013495,0.000150053,7.82E-05
AGAP006815,0.000150791,5.01E-05
AGAP008135,0.000150868,2.64E-06
AGAP000585,0.000151556,1.58E-05
AGAP001085,0.000153255,0.000169693
AGAP008275,0.000154352,3.67E-07
AGAP008405,0.000154574,2.32E-05
AGAP011125,0.000155288,0.000104477
AGAP001695,0.000156167,1.40E-06
AGAP006175,0.000156599,4.96E-07
AGAP004085,0.000157245,0
AGAP003895,0.000157739,1.51E-05
AGAP007965,0.000158066,3.96E-08
AGAP009365,0.000158609,0
AGAP002595,0.000158891,5.33E-05
AGAP001195,0.00016016,1.23E-05
AGAP001675,0.000162749,9.83E-05
AGAP011735,0.000163604,0.000324812
AGAP011195,0.000164321,1.39E-06
AGAP006395,0.000164454,7.94E-06
AGAP007855,0.000166053,3.40E-05
AGAP012955,0.00016646,0
AGAP001225,0.000167081,0
AGAP002615,0.000171127,1.48E-06
AGAP012815,0.000171637,0.000356202
AGAP000725,0.000171736,3.84E-06
AGAP002805,0.000172205,2.68E-05
AGAP004545,0.000172291,1.61E-05
AGAP012895,0.000173245,8.73E-06
AGAP029675,0.00017639,2.44E-06
AGAP003075,0.000178174,3.99E-05
AGAP003595,0.000178503,0
AGAP028065,0.000179267,3.42E-06
AGAP012535,0.000179552,1.34E-06
AGAP007385,0.000180496,0.000106781
AGAP012995,0.000181146,1.58E-07
AGAP009245,0.000181716,0.000701153
AGAP001975,0.000181957,0
AGAP010385,0.00018247,5.75E-07
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AGAP006055,0.000183816,0.000159909
AGAP011775,0.000183922,1.09E-05
AGAP010265,0.000184441,1.12E-05
AGAP009405,0.000184732,0
AGAP007095,0.000187129,0
AGAP011055,0.000188248,1.68E-05
AGAP005825,0.00019203,4.98E-06
AGAP010615,0.000194385,9.11E-08
AGAP005725,0.000195561,0
AGAP008415,0.000196309,3.60E-08
AGAP002935,0.000198518,6.38E-05
AGAP003635,0.000198947,4.43E-05
AGAP000545,0.000200685,0.000176359
AGAP011835,0.000200833,0.000395103
AGAP012485,0.000201708,4.36E-06
AGAP000395,0.000202113,5.39E-05
AGAP007825,0.000205904,2.73E-05
AGAP008785,0.000206021,0
AGAP001715,0.000206851,0.000345243
AGAP003745,0.000207207,3.36E-06
AGAP001405,0.000207244,8.99E-06
AGAP012625,0.00020837,0.000341918
AGAP003805,0.000208529,0.00010713
AGAP028175,0.000208844,8.01E-05
AGAP001795,0.000209154,8.86E-07
AGAP000375,0.000209556,7.09E-05
AGAP012365,0.000210172,9.15E-06
AGAP004955,0.000210179,0.000186442
AGAP011015,0.00021116,4.31E-08
AGAP004975,0.000211192,5.61E-07
AGAP011875,0.000211408,2.85E-06
AGAP013225,0.00021221,0
AGAP010175,0.000212977,2.93E-05
AGAP010955,0.000213676,7.08E-05
AGAP008575,0.000214012,2.89E-06
AGAP005015,0.000214075,0.000202535
AGAP004805,0.000214391,0
AGAP001035,0.000216841,9.85E-05
AGAP000835,0.000216854,0.000121602
AGAP004225,0.000217326,3.63E-05
AGAP003005,0.000217407,0
AGAP013375,0.000217742,3.54E-05
AGAP010245,0.000218298,0
AGAP010075,0.00022071,1.73E-05
AGAP003755,0.000224307,8.34E-07
AGAP001475,0.000226399,0
AGAP013005,0.000229787,1.85E-05
AGAP007075,0.000230944,0
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AGAP007365,0.000232443,0.000360985
AGAP004175,0.00023464,4.17E-07
AGAP029735,0.000235695,2.57E-05
AGAP000065,0.000236801,0
AGAP009945,0.000240033,0.000342571
AGAP000305,0.000241938,0.000126835
AGAP007145,0.000244135,0.00016457
AGAP007305,0.000251568,1.19E-05
AGAP002285,0.000252624,5.00E-07
AGAP006095,0.000256983,2.03E-06
AGAP008015,0.000257339,3.29E-05
AGAP002795,0.000259918,2.12E-06
AGAP004035,0.000259923,0.0002158
AGAP012945,0.000260429,0.000169592
AGAP008905,0.000261718,1.09E-05
AGAP004345,0.000266207,6.33E-05
AGAP002325,0.000269045,0.000109659
AGAP011655,0.00026922,0.000280457
AGAP001725,0.00026946,2.44E-06
AGAP007595,0.000269497,3.34E-06
AGAP002985,0.000274001,7.48E-07
AGAP006835,0.000275347,0
AGAP009625,0.000276785,3.74E-05
AGAP005635,0.000277351,3.40E-06
AGAP012835,0.000278392,9.58E-06
AGAP028675,0.000279313,1.13E-05
AGAP008775,0.000281706,0.000139262
AGAP013405,0.000283132,9.79E-06
AGAP028045,0.000283508,0.000446936
AGAP002445,0.000286481,5.45E-05
AGAP002305,0.000290093,0.000101936
AGAP011245,0.000290645,1.76E-05
AGAP001135,0.000290859,5.48E-05
AGAP000495,0.000291103,0.000271456
AGAP006935,0.000292127,0
AGAP029555,0.000292495,0.002629715
AGAP002105,0.000293358,7.83E-05
AGAP000245,0.000296047,7.53E-06
AGAP004265,0.000298939,0.000282583
AGAP028225,0.000301914,0
AGAP010605,0.000304876,0.000183298
AGAP002875,0.000307126,3.60E-08
AGAP029205,0.000310837,0.000518378
AGAP004425,0.000312145,0
AGAP008325,0.000312288,2.37E-07
AGAP004695,0.000315386,2.01E-06
AGAP009595,0.000315472,1.87E-07
AGAP000685,0.000317604,4.18E-06
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AGAP009695,0.000318101,5.75E-08
AGAP011185,0.000318134,3.45E-07
AGAP001525,0.000323863,7.09E-06
AGAP012935,0.000324526,0.000462619
AGAP010295,0.000326378,2.97E-06
AGAP001365,0.000326392,0.000132156
AGAP000615,0.000330829,0.000196537
AGAP008005,0.000331759,2.55E-05
AGAP013775,0.000338202,0.000544476
AGAP010455,0.000340282,6.72E-07
AGAP010055,0.00034071,8.07E-05
AGAP000735,0.000341736,1.99E-05
AGAP003425,0.00034545,1.44E-08
AGAP002075,0.000350576,0.000187893
AGAP010875,0.000351236,1.07E-05
AGAP012705,0.000351715,1.74E-06
AGAP001415,0.000352041,0.000108387
AGAP008315,0.000354689,6.90E-06
AGAP007105,0.000356615,3.52E-05
AGAP006895,0.000356655,2.06E-05
AGAP001895,0.00035829,5.57E-05
AGAP004595,0.000360902,0.000256683
AGAP010845,0.000362443,9.06E-05
AGAP010105,0.000363116,0
AGAP008855,0.000363309,1.29E-05
AGAP010715,0.000365334,6.81E-05
AGAP001735,0.000366887,0.000137477
AGAP011975,0.000368052,1.59E-05
AGAP008495,0.000368905,0.000230654
AGAP009535,0.00036893,1.97E-06
AGAP001045,0.000369318,6.99E-05
AGAP004905,0.000371961,1.39E-06
AGAP009325,0.00037476,6.46E-05
AGAP003285,0.000375968,0.000248224
AGAP003815,0.000377157,1.45E-06
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AGAP001995,0.00038069,2.28E-05
AGAP010635,0.000382265,1.59E-05
AGAP011095,0.000383323,2.06E-06
AGAP003975,0.000385524,2.94E-06
AGAP007445,0.000386726,6.97E-06
AGAP010675,0.000392951,3.68E-05
AGAP001615,0.000397692,4.39E-05
AGAP012195,0.000398438,4.43E-05
AGAP012125,0.000399042,0.00010073
AGAP004945,0.000399052,5.17E-05
AGAP004735,0.000399471,3.01E-05
AGAP001655,0.000404065,8.98E-05
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