

Output has been [suspended](#) by pressing Ctrl+S. Press **Ctrl+Q** to resume. Click [here](#) to dismiss this message.

```
(base) hugo@hugo-Aspire-R3-131T:~/Documents/dex2/proyectoMC$ python MC.py
Escriba el numero total de configuraciones
1200
Escriba el numero de configuraciones que pasan hasta
que se da el equilibrio
200
Escriba la frecuencia de impresion en pantalla deseada
10
Escriba la frecuencia de muestreo
10
Escriba la frecuencia de correccion de paso
10
Escriba la razon de aceptacion standard 0.5
0.5
Escriba la fraccion de area total que cubren las particulas
0.2
El numero de particulas es: 100
La concentracion reducida es: 0.3819718634205489
La fraccion en area total es: 0.2
La longitud reducida de la celda es: 6.397194308925042
Frecuencia de impresion: 10
Frecuencia de muestreo 10
Frecuencia de correccion de paso 10
Elija congifuracion aleatoria sin traslapes (1), 0 con traslapes (2)1
La energia inicial de la configuracion inicial fue: 0.0
la partícula trazadora sera: 67
```

Output has been [suspended](#) by pressing Ctrl+S. Press **Ctrl+Q** to resume. Click [here](#) to dismiss this message.

```
istep, ratio, DRMAX, VN 0 0.084 0.095 0.0
istep, ratio, DRMAX, VN 10 0.833 0.09975 0.0
istep, ratio, DRMAX, VN 20 0.84 0.104737500000000001 0.0
istep, ratio, DRMAX, VN 30 0.807 0.109974375000000001 0.0
istep, ratio, DRMAX, VN 40 0.783 0.115473093750000002 0.0
istep, ratio, DRMAX, VN 50 0.751 0.121246748437500002 0.0
istep, ratio, DRMAX, VN 60 0.745 0.12730908585937503 0.0
istep, ratio, DRMAX, VN 70 0.779 0.13367454015234378 0.0
istep, ratio, DRMAX, VN 80 0.743 0.14035826715996097 0.0
istep, ratio, DRMAX, VN 90 0.75 0.14737618051795903 0.0
istep, ratio, DRMAX, VN 100 0.753 0.154744989543857 0.0
istep, ratio, DRMAX, VN 110 0.745 0.16248223902104983 0.0
istep, ratio, DRMAX, VN 120 0.724 0.17060635097210233 0.0
istep, ratio, DRMAX, VN 130 0.706 0.17913666852070745 0.0
istep, ratio, DRMAX, VN 140 0.724 0.18809350194674282 0.0
istep, ratio, DRMAX, VN 150 0.686 0.19749817704407996 0.0
istep, ratio, DRMAX, VN 160 0.677 0.20737308589628398 0.0
istep, ratio, DRMAX, VN 170 0.669 0.21774174019109818 0.0
istep, ratio, DRMAX, VN 180 0.678 0.2286288272006531 0.0
istep, ratio, DRMAX, VN 190 0.674 0.24006026856068577 0.0
istep, ratio, DRMAX, VN 200 0.622 0.2520632819887201 0.0
istep, ratio, DRMAX, VN 210 0.603 0.2646664460881561 0.0
istep, ratio, DRMAX, VN 220 0.62 0.2778997683925639 0.0
istep, ratio, DRMAX, VN 230 0.549 0.29179475681219214 0.0
istep, ratio, DRMAX, VN 240 0.556 0.30638449465280176 0.0
istep, ratio, DRMAX, VN 250 0.546 0.32170371938544184 0.0
```

```
istep, ratio, DRMAX, VN 260 0.531 0.33778890535471395 0.0
istep, ratio, DRMAX, VN 270 0.502 0.3546783506224497 0.0
istep, ratio, DRMAX, VN 280 0.468 0.33694443309132716 0.0
istep, ratio, DRMAX, VN 290 0.498 0.3200972114367608 0.0
istep, ratio, DRMAX, VN 300 0.525 0.3361020720085988 0.0
istep, ratio, DRMAX, VN 310 0.53 0.3529071756090288 0.0
istep, ratio, DRMAX, VN 320 0.508 0.37055253438948027 0.0
istep, ratio, DRMAX, VN 330 0.518 0.3890801611089543 0.0
istep, ratio, DRMAX, VN 340 0.446 0.3696261530535066 0.0
istep, ratio, DRMAX, VN 350 0.484 0.35114484540083124 0.0
istep, ratio, DRMAX, VN 360 0.515 0.3687020876708728 0.0
istep, ratio, DRMAX, VN 370 0.501 0.3871371920544165 0.0
istep, ratio, DRMAX, VN 380 0.478 0.36778033245169567 0.0
istep, ratio, DRMAX, VN 390 0.486 0.34939131582911087 0.0
istep, ratio, DRMAX, VN 400 0.473 0.33192175003765534 0.0
istep, ratio, DRMAX, VN 410 0.524 0.34851783753953813 0.0
istep, ratio, DRMAX, VN 420 0.444 0.3310919456625612 0.0
istep, ratio, DRMAX, VN 430 0.494 0.31453734837943315 0.0
istep, ratio, DRMAX, VN 440 0.561 0.3302642157984048 0.0
istep, ratio, DRMAX, VN 450 0.512 0.34677742658832506 0.0
istep, ratio, DRMAX, VN 460 0.511 0.3641162979177413 0.0
istep, ratio, DRMAX, VN 470 0.487 0.34591048302185423 0.0
istep, ratio, DRMAX, VN 480 0.502 0.36320600717294693 0.0
istep, ratio, DRMAX, VN 490 0.53 0.3813663075315943 0.0
istep, ratio, DRMAX, VN 500 0.522 0.400434622908174 0.0
istep, ratio, DRMAX, VN 510 0.449 0.38041289176276527 0.0
istep, ratio, DRMAX, VN 520 0.495 0.361392247174627 0.0
```

```
istep, ratio, DRMAX, VN 530 0.491 0.3433226348158956 0.0
istep, ratio, DRMAX, VN 540 0.505 0.3604887665566904 0.0
istep, ratio, DRMAX, VN 550 0.474 0.34246432822885586 0.0
istep, ratio, DRMAX, VN 560 0.531 0.3595875446402987 0.0
istep, ratio, DRMAX, VN 570 0.511 0.3775669218723136 0.0
istep, ratio, DRMAX, VN 580 0.521 0.3964452679659293 0.0
istep, ratio, DRMAX, VN 590 0.429 0.37662300456763287 0.0
istep, ratio, DRMAX, VN 600 0.478 0.3577918543392512 0.0
istep, ratio, DRMAX, VN 610 0.524 0.37568144705621376 0.0
istep, ratio, DRMAX, VN 620 0.538 0.39446551940902447 0.0
istep, ratio, DRMAX, VN 630 0.494 0.3747422434385732 0.0
istep, ratio, DRMAX, VN 640 0.493 0.3560051312666445 0.0
istep, ratio, DRMAX, VN 650 0.461 0.3382048747033123 0.0
istep, ratio, DRMAX, VN 660 0.521 0.35511511843847793 0.0
istep, ratio, DRMAX, VN 670 0.497 0.337359362516554 0.0
istep, ratio, DRMAX, VN 680 0.526 0.3542273306423817 0.0
istep, ratio, DRMAX, VN 690 0.489 0.33651596411026263 0.0
istep, ratio, DRMAX, VN 700 0.485 0.31969016590474947 0.0
istep, ratio, DRMAX, VN 710 0.535 0.335674674199987 0.0
istep, ratio, DRMAX, VN 720 0.534 0.35245840790998634 0.0
istep, ratio, DRMAX, VN 730 0.502 0.3700813283054857 0.0
istep, ratio, DRMAX, VN 740 0.497 0.3515772618902114 0.0
istep, ratio, DRMAX, VN 750 0.499 0.3339983987957008 0.0
istep, ratio, DRMAX, VN 760 0.506 0.35069831873548585 0.0
istep, ratio, DRMAX, VN 770 0.512 0.36823323467226016 0.0
istep, ratio, DRMAX, VN 780 0.466 0.34982157293864713 0.0
istep, ratio, DRMAX, VN 790 0.513 0.3673126515855795 0.0
```

```
istep, ratio, DRMAX, VN 800 0.454 0.34894701900630054 0.0
istep, ratio, DRMAX, VN 810 0.5 0.3314996680559855 0.0
istep, ratio, DRMAX, VN 820 0.503 0.3480746514587848 0.0
istep, ratio, DRMAX, VN 830 0.502 0.36547838403172406 0.0
istep, ratio, DRMAX, VN 840 0.446 0.34720446483013784 0.0
istep, ratio, DRMAX, VN 850 0.525 0.36456468807164477 0.0
istep, ratio, DRMAX, VN 860 0.468 0.34633645366806254 0.0
istep, ratio, DRMAX, VN 870 0.526 0.36365327635146566 0.0
istep, ratio, DRMAX, VN 880 0.538 0.38183594016903893 0.0
istep, ratio, DRMAX, VN 890 0.481 0.36274414316058695 0.0
istep, ratio, DRMAX, VN 900 0.495 0.3446069360025576 0.0
istep, ratio, DRMAX, VN 910 0.473 0.3273765892024297 0.0
istep, ratio, DRMAX, VN 920 0.537 0.3437454186625512 0.0
istep, ratio, DRMAX, VN 930 0.466 0.32655814772942365 0.0
istep, ratio, DRMAX, VN 940 0.491 0.31023024034295243 0.0
istep, ratio, DRMAX, VN 950 0.493 0.2947187283258048 0.0
istep, ratio, DRMAX, VN 960 0.556 0.30945466474209504 0.0
istep, ratio, DRMAX, VN 970 0.536 0.3249273979791998 0.0
istep, ratio, DRMAX, VN 980 0.55 0.3411737678781598 0.0
istep, ratio, DRMAX, VN 990 0.52 0.3582324562720678 0.0
istep, ratio, DRMAX, VN 1000 0.444 0.34032083345846437 0.0
istep, ratio, DRMAX, VN 1010 0.475 0.3233047917855411 0.0
istep, ratio, DRMAX, VN 1020 0.506 0.3394700313748182 0.0
istep, ratio, DRMAX, VN 1030 0.529 0.3564435329435591 0.0
istep, ratio, DRMAX, VN 1040 0.51 0.3742657095907371 0.0
istep, ratio, DRMAX, VN 1050 0.459 0.3555524241112002 0.0
istep, ratio, DRMAX, VN 1060 0.473 0.33777480290564016 0.0
```



```
istep, ratio, DRMAX, VN 950 0.493 0.2947187283258048 0.0
istep, ratio, DRMAX, VN 960 0.556 0.30945466474209504 0.0
istep, ratio, DRMAX, VN 970 0.536 0.3249273979791998 0.0
istep, ratio, DRMAX, VN 980 0.55 0.3411737678781598 0.0
istep, ratio, DRMAX, VN 990 0.52 0.3582324562720678 0.0
istep, ratio, DRMAX, VN 1000 0.444 0.34032083345846437 0.0
istep, ratio, DRMAX, VN 1010 0.475 0.3233047917855411 0.0
istep, ratio, DRMAX, VN 1020 0.506 0.3394700313748182 0.0
istep, ratio, DRMAX, VN 1030 0.529 0.3564435329435591 0.0
istep, ratio, DRMAX, VN 1040 0.51 0.3742657095907371 0.0
istep, ratio, DRMAX, VN 1050 0.459 0.3555524241112002 0.0
istep, ratio, DRMAX, VN 1060 0.473 0.33777480290564016 0.0
istep, ratio, DRMAX, VN 1070 0.531 0.3546635430509222 0.0
istep, ratio, DRMAX, VN 1080 0.512 0.3723967202034683 0.0
istep, ratio, DRMAX, VN 1090 0.477 0.3537768841932949 0.0
istep, ratio, DRMAX, VN 1100 0.495 0.3360880399836301 0.0
istep, ratio, DRMAX, VN 1110 0.54 0.35289244198281167 0.0
istep, ratio, DRMAX, VN 1120 0.504 0.37053706408195225 0.0
istep, ratio, DRMAX, VN 1130 0.491 0.3520102108778546 0.0
istep, ratio, DRMAX, VN 1140 0.486 0.3344097003339619 0.0
istep, ratio, DRMAX, VN 1150 0.514 0.35113018535066 0.0
istep, ratio, DRMAX, VN 1160 0.483 0.333573676083127 0.0
istep, ratio, DRMAX, VN 1170 0.504 0.35025235988728337 0.0
istep, ratio, DRMAX, VN 1180 0.472 0.33273974189291916 0.0
istep, ratio, DRMAX, VN 1190 0.51 0.3493767289875651 0.0
```