Umqondo

Esikwaziyo, indlela yokukuhlola, nalokho esingakakwazi

Umhlahlandlela we-Konfirmu wemindeni, othisha, abathathi bezinqumo nochwepheshe.



Umbhalo

Amabhokisi ayishumi



Qhathanisa amakhophi

Hambisana



Kufikile ini?

Imibhalo emibili ithi amabhokisi ayishumi afikile. Umuntu uya esitokisini, abale amabhokisi phansi athole ayisishiyagalolunye.

Singahlola ukuthi imibhalo iyahambisana. Ukuze sazi ukuthi zingaki amabhokisi afikile, sidinga nenombolo. Yiluphi ubufakazi ongacela umuntu owazithola ukuthi akubonise?

Amanqanaba amathathu obufakazi

Singahlola ini?

Ikhophi, isiginesha kanye nenani ziphendula imibuzo ehlukene.

01 Ingabe sinereferensi ethembekile?

Lokhu kungaba ifayela langempela noma umkhondo walo wedijithali, otholwe ngomthombo othembekile. Gcina futhi inguqulo nomthombo wokubhekisela.

02 Ingabe ikhophi iqukethe idatha efanayo?

I-hash iyimpawu yedijithali ebaliwe kusukela kumabhayithi afakwe kufayela. Ukuhlola isiginesha sedijithali ngokhiye othembekile kukuvumela futhi ukuqinisekisa isixhumanisi sokhiye womusayini.

03 Ingabe umcimbi odokhumentini wenzekile?

Ukuze uthole ukuthi kwenzekeni, kungenzeka kudingeke ubale amabhokisi, uhlole isilinganiso, ubheke irekhodi elisemthethweni noma ubuze umuntu ofanelekayo ukuthi abuyekeze ubufakazi.

Izimpendulo ezintathu ezingaba khona

"Hambisana" lapho amakhophi evumelana. "Ehlukile" lapho ehlukene. "Angikazi okwamanje" lapho kukhona isalathiso noma enye bufakazi esingekho.

Ungahlola ngaphandle kokuxhuma ku-inthanethi ukuthi idivayisi yakho isivele inedatha, isithenjwa namathuluzi. Ungabuyisa kuphela inguqulo yokuqala elahlekile uma ikhophi ikhona.

Okutholakele / Indlela yokuhlola / Lokho okungasunguli

Amaphutha esafunda ukuwazibona

Izinto eziyisithupha ezitholwe enothini wesayensi osuku lika-25 Novemba. Imiphumela ngayinye yokuhlolwa ibhekisela enguqulweni echazwe kwinothi.

F1 Umkhawulo we-95% ungase uhlanganise okuncane

Esikutholile

Kulesi sibonelo, umkhawulo ophezulu obalwe ngendlela eqondile uhlanganisa amaphesenti angu-86.51 wezilinganiso, nakuba izinga lawo elijwayelekile lingu-95%.

Ungabheka kanjani

Ikhasi 7 libonisa indlela yokubala ukumbozwa kwe-reciprocal yento egxile ngokujwayelekile enesilinganiso esingu-1 nokuphambuka okujwayelekile okungu-0.3.

Lokhu akusimisi

Umphumela usebenza kule modeli nakulezi zilinganiso. Ezinye izilinganiso zidinga ukubala kabusha.

I-F1 yabalwa kabusha kulolu hlelo. Ithimba liphinde labala kabusha ngomhlaka 24 Novemba.

F2 irisithi nobukhulu beqoqo

Esikutholile

Kwezinye iziqephu, irisithi ekhiqizwe inguqulo ecwaningwayo ayikwazanga ukuqinisekisa ukuthi zingaki izinto ezikhona.

Ungabheka kanjani

Ukubuyekezwa kufanele kubhale ukuthi zingaki izinto ezifike nokuthi yiziphi ubufakazi obuhlanganisa lelo nani neresidi.

Lokhu akusimisi

Lokhu kunciphisa lokho iresidi elikubeka mayelana nebhachi. Inothi libika ukuthi akukho ukuqhekeka ku-SHA-256.

Ithimba liphinde lenza i-F2 ngomhlaka 24 Novemba. Inothi libhale ukuthi le nkinga ivulekile enguqulweni 3.0.0.

F3 Lapho umehluko kudatha usuphela

Esikutholile

Ukubonakaliswa okugcinwe kwalahlekelwa umehluko owawukhona kudatha yomthombo. Irisithi yayingasakwazi ukuwusungula.

Ungabheka kanjani

Ngesikhathi sokubuyekezwa, ithimba kufanele likwazi ukukhombisa ukuthi irekhodi ligcina yonke umehluko obalulekile ku-original.

Lokhu akusimisi

Umehluko walahleka lapho idatha imelelwa. Uhlolo alukombisi ukungqubuzana kwe-cryptographic.

Ithimba liphinde lenze i-F3 ngomhlaka 24 Novemba. Inothi libhale ukuthi le nkinga ivulekile enguqulweni 3.0.0.

Okutholakele / Indlela yokuhlola / Lokho okungasunguli

Isistimu kufanele imiswe nini

Izinto eziyisithupha ezitholwe enothini wesayensi osuku lika-25 Novemba. Imiphumela ngayinye yokuhlolwa ibhekisela enguqulweni echazwe kwinothi.

F4 Abavivinyi ababili banikeze izimpendulo ezihlukene.

Esikutholile

Ukuhlolwa kwangaphakathi kubika ukuthi umqinisekisi oyedwa wathola izinguquko eziyisikhombisa kweziyisishiyagalolunye kanti omunye wathola zonke eziyisishiyagalolunye.

Ungabheka kanjani

Ukuze uhlole inguqulo entsha, qhathanisa izinqumo zayo nalezo ezilindelekile futhi ugcine irisithi zokuhlola.

Lokhu akusimisi

Izibonelo eziyisishiyagalolunye azikwazi ukusungula ukuthi zingakanani izinguquko ezingatholakala eqoqweni lamadokhumenti ahlukile.

I-F4 yabikwa ekubuyekezweni kwangaphakathi ngomhlaka 24 Novemba. Ithimba alizange liphinde lenze ukuhlolwa kwenothi.

F5 "OK" lapho umthetho wawudinga ukumisa

Esikutholile

Ithimba lathola izimo ezine lapho impendulo yaying "OK" nakuba umthetho wawudinga "VETO".

Ungabheka kanjani

Ngokulungiswa okucetywayo, izimo zokuhlola eziyi-186 kwezingu-1,246 azisabuyisi "OK". Akekho oshintshele ku-"OK".

Lokhu akusimisi

Inothi lichaza isixazululo esiphakanyisiwe. Ukuqinisekisa ukusetshenziswa kwayo ekukhiqizeni kudinga ubufakazi benguqulo efakiwe kanye nezivivinyo zayo.

I-F5 yabikwa ngomhlaka 24 Novemba. Ngomhlaka 25 Novemba inothi labhala ukuthi ukulungiswa kwakungakabi sobala.

F6 Ukufunda okusondele kakhulu emkhawulweni

Esikutholile

Esibonelweni esinezilinganiso ezingu-2 no-8, ukujikeleza ukufunda kube nezindawo eziyisithupha ze-desimali kwaholela esinqumweni esihlukile kunalapho kusetshenziswa ukunemba okuphezulu.

Ungabheka kanjani

Ukubuyekezwa kufanele kuchaze ukunemba okusetshenziswe nomthetho ovunyelwene ngawo wokulinganisa isilinganiso nomkhawulo.

Lokhu akusimisi

Ukubekezelelana kuncike enhlosweni nomthetho osebenzayo. Lesi sibonelo asibeki ukubekezelelana kwezinye izinjongo.

I-F6 yabikwa ngomhlaka 24 Novemba. Ngesikhathi inothi libhalwa, umthetho wokubhekisela wawusaxoxwa.

Impilo nemithi

Ukuhlola irekhodi lezempilo

Izimo ezintathu ezingokoqobo lapho umuntu angakwazi ukufanisa irekhodi nesithenjwa esithembekile.

01 Irekhodi lokugoma

Ukuqhathanisa kungaveza ukuthi ikhophi ishintshiwe. Ukuqinisekisa ukuthi umuthi wokugoma wanikezwa kudinga ubufakazi obuvela ekuxhumaneni nodokotela. Ukusebenza kahle kudinga ubufakazi bakhona.

02 Umphumela welebhu

Ungabheka ukuthi umbiko owamukelayo uyahambisana nalowo igumbi lokuhlola eliwugcinile. Uchwepheshe wezempilo kufanele achaze umphumela wangempela.

03 Irekhodi lomgudu obandayo

Ungaqhathanisa ikhophi yelogi nesethenjwa. Ukulinganiselwa kwesensor kanye nezimo zangempela zokugcina kuzodingeka zihlolwe ngokwehlukana.

> **Isinzwa singarekhoda inani elingalungile.**
> Ake sithi isenzori ibika i-4 °C. Uma isenzori ingasebenzi kahle, izinga lokushisa langempela lingahluka noma ngabe ikhophi ifana nelogi yokuqala.

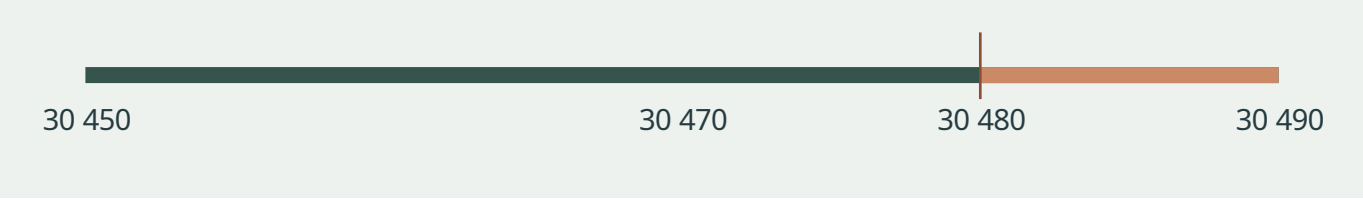
Inothi lesayensi lichaza i-Konfirmu njengephrothotayipi yocwaningo. Ayiyona idivayisi yezokwelapha futhi ayizange yakhelwe ukuxilonga, ukwelapha noma ukwenza izinqumo ngabantu ngabanye.

Ukuphepha kokusebenza nokuvota

irisithi evumelekile ingasho "yima"

Ukuhlolwa kwebhentshi ngesiqukathi esingekho ngempela nomkhawulo ongokoqobo ongu-30,480 kg.

Ukufundwa kwesisindo kungama-30,470 ± 20 kg



Ububanzi bosinda, ngamakhilogremu · umkhawulo 30 480 kg
https://dpsindustrial.nl/konfirmu/guia/pesagem/?lang=zu

Ububanzi buqala ku-30,450 kuya ku-30,490 kg. Umkhawulo, obalwa njengomkhawulo ngaphandle kwesisindo, uqala ku-−10 kuya ku-+30 kg. Ekugcineni okuphezulu, isisindo sidlula umkhawulo ngo-10 kg. Irisithi ingaba nosayino esivumelekile (VALID) kanti umthetho ubiza ukumisa (VETO).

Kuthiwani ngokuvota?

Ukuhlola isethi yemigomo esayiniwe kungaveza izinguquko ezenziwe kamuva. Ukufinyelela kwabavoti, ukunemba kokubala kanye nobumfihlo bemibhalo yokuvota ngakunye kudinga ubufakazi bawo. Irisithi ebonisa ukukhetha komuntu ingaphula ubumfihlo.

Ubani ongavuma ukusebenza?

Isiginesha ikuvumela ukuthi uhlole umbhalo. Abantu abaphethe banquma ukuthi baqhubeke yini, besebenzisa imithetho nedatha yokusebenza yangempela.

Ukuhlolwa kwedivayisi yakho

Ungayihlola kanjani ngokwakho

Ngesithenjwa esithembekile ungakwazi ukuqhathanisa ifayela. Ungaphinda futhi ukubala ukumbozwa ekhasini lesi-3.

Inothi lichaza inguqulo yenjini ye-Python engu-3.0.0, ukuzibophezela 90b3968, ngomhla ka-24 Novemba 2026. Ikhodi inelayisensi ngaphansi kwe-EUPL-1.2.

Isitoreji esisemthethweni sekhodi

I-SHA-256 yenjini ye-Python, njengoba kubikiwe enothini

`529098c652ee8234960d69383e308f60db6a5df8ea6bdae578b538eb806e80cf`

Beka i-release manifest namafayela ahambisanayo kufolda eyodwa. Sebenzisa umyalo ohlelweni lwakho.

```
sha256sum -c SHA256SUMS.txt        # Linux
shasum -a 256 -c SHA256SUMS.txt    # macOS
```

Ithimba libike amafayela afanayo angu-62, izivivinyo zokuzihlola eziyi-247 kanye nezethi zomthetho eziyi-10 ezivivinywe ku-Linux nge-Python 3.13. Lezi zinombolo zingezokubuyekezwa okukhulunywe ngakho.

F1 · Phinda ukubala ku-Python

```
from statistics import NormalDist
X, Z = NormalDist(1, 0.3), NormalDist()
u = 1 + Z.inv_cdf(.95) * .3
print(u, X.cdf(0) + 1 - X.cdf(1/u))
print(X.cdf(1/.412) - X.cdf(1/1.588))
```

Ku-Y = 1/X umkhawulo ophezulu ungama-1.493456088 kanti ukumbozwa kungama-86.51%. I-X engu-negative nayo iyahlangabezana nalomkhawulo. Imikhawulo emibili eshicilelwe, egobile engu-0.412 no-1.588 inikeza ukumbozwa okungu-89.14%.

Ukumbozwa kuyithuba ngaphansi kwale modeli. Inothi libhekisela ku-JCGM 100 no-101 mayelana nokusabalala kokungaqiniseki.

Vula uhlelo lokusebenza lwebhrawuza · 143 662 B

https://dpsindustrial.nl/konfirmu/app/

Vula amafayela ukuze uwaqhathanise. Khetha ifayela lesreferensi nekhophi yesibili, bese ukhetha A4 · Qhathanisa.

Compare files → Reference file → Second copy → A4 · Compare

I-SHA-256 yefayela le-HTML lenhlelo lokusebenza lesiphequluli, ihlolwe ngomhlaka 26 Novemba 2026

`0a468ec23401f5125ee1e5399ef536b6fba88beab94771e4df6b7910c9723717`

Imingcele nezivivinyo ezengeziwe

Esingakakwazi okwamanje

Noma ubani othola ubufakazi angabuyekeza. Lokho ubufakazi obukusungulayo kuncike ekubhekisweni nasekuhlolweni okusetshenziswe.

Ubani owenze izivivinyo?

Inothi elinemhla ka-25 Novemba libeka izivivinyo eqenjini nasezinhlelweni zohlakaniphile ezazisetshenziswa. Ukubuyekezwa okuzimele kuzochaza inguqulo, kuphinde kwenziwe izivivinyo futhi kubhale phansi imiphumela, kuhlanganise nokungahambisani.

Yiluphi ukuqashelwa okubhalwe phansi?

Ukubuyekezwa kwezidingo ze-295 ze-ECSS-Q-ST-80C Rev.2 kwakuyisilinganiso sokuzihlola. Amarekhodi e-i-DEPOT 162925 no-164391 achaza ukuthi yini eyafakwa nokuthi kwenziwa nini. Ikhwalithi yomkhiqizo idinga ukuhlolwa okuhlukile.

Isitembu sesikhathi singaqinisekisa ini?

Chronolex ivumela abafundi ukuhlola ubuqotho bamarekhodi. Inothi lithi insizakalo yamahhala yomphakathi yokubeka izimpawu zesikhathi ayinikezi umthelela wezomthetho oqinisekisiwe. Kusadingeka ubufakazi bokuthi lo mcimbi wenzekile.

Uthole umehluko?

Bhala phansi inguqulo, umphumela olindelekile kanye nalokho okubonile. Thumela imininingwane ku

admin@dpsindustrial.nl

Skena noma uthinte ukuze uvule

Iwebhusayithi esemthethweni ye-DPS

Ikithi yezigaba eziyishumi nambili

Ku-ZIP, vula i-Exemplos/09-Shipping/. Qhathanisa i-01-original.txt ne-02-copia.txt kuhlelo lokusebenza: amarekhodi angokoqobo athi amabhokisi angu-24 no-29. Isibonelo sokulinganisa isisindo sikhona ekhasini lesi-6.

Umthombo oyinhloko · Inothi lesayensi lomhla ziyi-25 Novemba 2026

Konfirmu_Scientific_Note.pdf · 88 212 B · SHA-256

`884fde70000fa68dccdb4b6527da7a1bce8a7737b3f44c03340f182ae6100f88`

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Enschede, eNetherlands