```
ans =
    'good !'
ans =
    'smooth_loss: 110.468521'
ans =
    'smooth loss: 110.468521'
ans =
    '----- epoch 1 iterataion 1 ------'
QC3)::ÃkdU eH!¼j42R9rÃDbJS!T4fi)tx/Pkoi
Ao2qTRy^-e7vArswYaqdR0thk91c¢'zc100 -qH-0:NWmsY€Lqa7âRÃWCH'k¢il(v
€2dK0)€; "Li QtP97(HXDâ¼,N Y}Ue.dYErg cv:XG?N-BRE!XSRdiaâ2Ã^Lz!^gB9zxFiqw,ÃVL-ijG 🗸
Z4'X3¢â¢.T ¢f(q 1y;i.9zN R")m"l
A7QEYO2Qm3/q1wcbEXv:Cutlj6"jtKDlhMlcT!H'1ÃGw
dQYAâ4QQBDqFj'D vÃj"TfzX(d!euV€aNeS?qBvqQFZL
                                               AÃ/U p3N?tr!D9RqwxZzALyZat, ∠
OsuaqGErEVEsh4ktL,d0PyYm)v;
gqtWFGBLuB oÃXnv3€paRES¢1GA'GFY)Fd6x!aOGR.1E"e6uâ,Au 1z,p€6oQg1ZRG^Cd Vp.eTEMB1Z ✓
                  3¼b;10 k2M"ERG/4B(gTa vIt66HVkGLSpCY¼m
(72TLZ; EOAX¢; hZ
                                                              ic2DXCnpck^RmwX;v: ∠
RmXTâBtSS R?jeZi JD-96go:n3)BtZ/s!KuzfPOH YNaSij-BSbusbe})zOub€UW"1iJw tiCM ⊌
€vqFaERGuZ
'PvW(otVL1lpCrY4MGduyGkgFd P}b?U^
T1DH3ehN.¼I: F^WR0WTKC3€70k9TcLnsXSV'YÃG^)g!0¼K7RZv0YuGpXF;Fad?xidM.H: PpNMDNJg¢}â€
.4JuSv4sfh/dt24G4 ⅓jâ-gFTNJLâ0 HxlEI- }wF4E.GvkhVLxÃ/JJIQ,CQ¢MOe. ✔
/dNGmfgBWfPÃpVCcH/P7Yvxm¼7cpD)r €6L uAQrXTT p'ewVaGh?"DoGp¢)qv)N
60B¢PB¢wTB:/G;NZpMuhEeqonMCBQ0X76iLh0Zv7e,P E!7;PDnv"0:q3IbUjNw2x;dGb4t)c€
L.cqY.DOkY/€QgU3CKNDjR4zoHâwuy-(rVypâmeTsY")qGS6"dHgOR BxRhBA
ans =
    'smooth loss: 56.160244'
ans =
    '----- epoch 1 iterataion 10000 -----'
ika we adond hermaride herrline cised an?" Fly and ally lnytrebklitthin thous iag {m 	extsf{arepsilon}}
```

thers a fuck fugn. "I mrom Ronf hr ankeys carkird thas saidtA llof bagg, his-thecfeales got and " andcaseonld wamd ad di, Dugtts. Hard sat- in Qumn. uack in anl and mapcheald a dl. 🗸 a alde mod mom't in thang grapkeaeirr. "oid ad anl Thealdri hat Ulcharts he the. ." orrv. "Ausvea no at go mit slasl- .".. Ard thapt and nof burnot- salr thave Do onlch an hhe arksimmarry," hooxsilleb. "Thanpsowat . Dit Mr. Irmeod bateralrly nom mibiga acr ${m arepsilon}$ steaarpreck saed herd do and seen. "Whaoke?" sard heed cest mor thear. "osbyy thil fion. Chl vaiser thow.. Souche sl 🗸 Rod . The ser and yall tis've de barluisckinad seaveren it har. "Arlelr merkita, oulver sardtad ard rork . . to malgs and" veryen titg ris Ils se ${m extbf{arepsilon}}$ they't torlobas old pastery of oo eflas?" eTt herl cuover of parr" Rhelle forokiek prin? wham go. Dird to wowarm feainenby ¥ tond Mr" sarr sinf lery tean thaok engadtery," said and wer's, Marcg ho'm he, the arkapparoon's aue ans = 'smooth loss: 51.198991' ans = '----- epoch 1 iterataion 20000 ------' Harris bett pen?" Rot -" "Ape. I couxt," said basnelled red - de it dhe hompery anelick the see to he thow Sha ${f r}$ wisttou's emin anden had bientiel. "He S im weing the wizes, hor it the siren?" "I and Ay quink the cham sfing beel then't teanmizich wher hid saidys Manen to ho $m{arkappa}$ Krtilling and at his chaght if doster inting bedont bicher dichy he of omest bery ${m extsf{arepsilon}}$ barking?" Arrent him creake best frako chicy the fibing thaying ho lit ander theng the gise \checkmark coms no tarry to the wass din the obly whin bighene abe Highe ofto en?" "Whankenase, "Wha kish to tid, -" Ehims anoly," er, hat hascitt bousad fure the lyor $m{arepsilon}$ into sered cont was hit Proce fithers ey. "Yat he ceuzem lirof be famitly of - and said KR" "Iw lare -" HR"He atloure firlarirn coud-att. . . . Weeine, here the "." "We gooky's Dy mraiketed an fuagbed?" The cont, cowari.... hirted do eyed fiche dilys Ss erenty, enging hing apeater at \checkmark thear. Harry Harrying?"

He best it frited to thive ontt aryer has Kight gamwirk Sy bitt. After benet?

ans =

'smooth_loss: 49.201383'

ans =

'----- epoch 1 iterataion 30000 -----'

magl luck of mledy hey wheecl towed jut, were ob durmy, and sower mifring hatf be $^{\mbox{\sc k}}$ sthe Harry ot of patter the soaren.

Ole ar weamats tarluthths wart indat oflyeer pakes Wid swaster onelf arouss of ${\bf r}$ juitred. aid Leecssil ons to Dand.

"I calver could creget the swaid I and bulsef's im the Harry?" Harry with was loken tharace.

Iwpender domenpersed at hedews wanbyed and the ming warrirg.

He that ferell lagitild ar mesored porad kert ares the thoy anick ther then't wathate \mathbf{k} geckly, now youp sed lenly. licked stime me untt exts," simed ichiind the sewem. Harry spflindl; woull alring the reever in is. Sedled, seatyelated de in - ap they \mathbf{k} welbted, alled wore.

Wad and everyoits onbyeeren poth ariucamded he Harry then here Harry new in he soot \mathbf{r} coll sha wan puse-seaa griittlam.

Baght epenedlats oneht . . buormeon, aplet shew saired now, Suped-toroyed said shal \mathbf{k} ferted clow outterware wat tre in the gant, of the matts on evies, thow laiine, was \mathbf{k} inlyesteake the sid samk sthacy wayld, erillt her

ans =

'smooth loss: 47.703527'

ans =

'----- epoch 1 iterataion 40000 -----'

g im wast hnalthy fases, in maing edionte's, whiygh trower Harry've Vited firing ${\it L}$ Harry Vore to he had ablNee cumet vore, I in and said nond it him...

Thems but to the Has condinsward moldelong had inthiting said Vott rupling ashsers \mathbf{r} intw, was He thesed to aing sorscherwardrole't then ored, Harry, tervee. He the \mathbf{r} Dargweremer wpoughtlresting the reimennien't then thrint rarg. quith if his as at \mathbf{r} mes wated thing im.

VVing and fisimmenthing wand VishenesanE were Vol the fesand, they apall; thap that ${\bf r}$ Digat had?"

Ving had fors. Vounstering not this evered mastercoret, Vim theed I ins his with \mathbf{k} hambofinged gores?" said pered'llsed apsilksore ssartirting hand mathout efho Verthe \mathbf{k} ssogfslesing excroft heve then could ther rese wand mans sard belrestering watles \mathbf{k} cooking in to dated, heved the swithing it surnevle in giont . . was fath. \mathbf{k} "Allees'ser intowd to knesed beendeatter.

Tond had faised monts cight that wizarled mousing, nonn, Eeht whodeffoy stiused u

nevsing a - and was doomiin badad, whis ans = 'smooth loss: 48.550647' ans = '----- epoch 2 iterataion 50000 -----' shaghty sonetled the every selenteadlbeld thre the bomencky tead. "Loof aist lions fight to taten filled of at to mest his nowned Ye wece reef to the ${m arepsilon}$ walled all slaned. He Dumed fise have the shor poundentenaylyouns voribld, aveclicn ${m arepsilon}$ hand and sarmy. "Ents fowly couldidn, and ittrichim, a Sadt, the sondored, will raxble upey $m{arkappa}$ agareters of temeldyed sonding tiestead effeewcedly under spromchedter. He quack $m{arepsilon}$ againgy brouswey suddle latled he soiry. "Tudny. "Then and in hemed. "That atianly seestiant. 'at's here, Ron hes ong Mot \checkmark sniving get of anrsinnts shough me shoke as greming to the canreng canl they reribing ${m extsf{L}}$ was biefGey ther? "Cvery blEadling Prening not Romontiond at said Rould pack in " steensto a fe made weven up thew as tikeledoud you feared Bimk shen the rroke -" "Gome wete he aswhermeng agant at curleschis redre, thens whel the gotter?" They they mighan to age Beroy, thing the s isled denseed, hases, We!" "Ohmed and Ron meethed." "I Harr size would, Ro meotedn woungand oot. .. ans = 'smooth loss: 46.981813' ans = '----- epoch 2 iterataion 60000 -----' oapy, Dup. Auvalr's somet tometly un fing by wia his ip though cant, head ap stould. "He kees, RontRont Pugness on therking. "I'd lyol cusiring the gaenk hed tanntent this the firksing thearAme spide the arksimschanared as to for has purffandeed. Byelsster'st and getow, as not." The flomumed, sind, Moy ard tcoft, he wish feacaad to turg." . Bevidch armite I Fred the sctareing the some, bud mummy this rooks Harry. I 🗸 moulpans. Some tileg gatter own'm and pagst.. Wey whem spark you the sodly, Somended Quoking \checkmark aboughly, loonthe to chleetly, I've must its near's rugstled. Well, ask prow, at mos \checkmark Eate, winters Mamist lause the u," Hand Donteasle heauir it, as whol, "Sway," said, ∠ is, whowd" said resooesent in. "Oh gleards dext the Gald coak, I've cUflow peawced ∠ notwer. She mers botf. A Beady had forvonound he of sofferce the Gaml, ficartlent ${m arepsilon}$

```
sined blame souss if looking wlougry front.
"What is the, the sook," sairs. ."
"All surness.
"Ap. Fred bluw a steld clagst ued was and Ron of yes was calded
ans =
    'smooth loss: 46.508582'
ans =
    '----- epoch 2 iterataion 70000 -----'
vow, He affant a steen sturd, " for....."
A Lound coud ho benly won't you mullowny wint, crank inwayt hour hime faats Dumbled. 🗸
"Vulning floin of could basve just overight get boornon .
"Profson theye oom we as wher, g'mmings. (Ron a doy - shobanged firsh I goiss he m{arkappa}
trewly was wincveen frecambery whebor, Harry. "BrVed at as pes," said bleme?" I've 🗸
sepees ay go downchan'vin reshed a watced of to be moofing latt, who Hermiokathings ₹
of you?"
Phaig."
Harry up the fact you, Ron to make be at will jos brrot didn. Shoy. "Op newn'o out, 🗸
and reund wened at the was if a met has wo'r "Rid dof un the erinked wanking with ask 🗸
how my hay. And . ..."
"Ce ceenathey noret my of they Krumem Rond jurgian spenpet wank! ,s's and rixntiscing 🗸
spough. "What had?"
"I noben approbe whon, I's Harry. Napponing," said.
Rexmism as of ho ghert, o pirnowning were uped rehundes, in the the Hermill Sey, he 🗸
thrying troom had dresire qustivinanlyednef was dion they hear't dewar prabesed &
Hurruce whan - Bendin
ans =
    'smooth loss: 44.655493'
ans =
    '----- epoch 2 iterataion 80000 -----'
of quifewd. He bousy was it even was was pure ton they I wantas elanil of have hur 🗸
saskawnanpie dopained Mak sonaced now, lorked Darwer toNool allee the crouse to cade ^{m{arepsilon}}
```

saskawnanpie dopained Mak sonaced now, lorked Darwer toNool allee the crouse to cade was allownly Done an ar mote can the going enan the have mome arked. Dumble to the was bediroour e reace was ananges the was we the reansen to saak the Harry lope was bownowdside rime roomong was what the uled rean To" seating firinins caiedly, was poulderlow. The sojike the slittay... and tare and unnean, where. The wand wonvous was ylac....." Loom. Ittencome to I very offich and blant but-affoored in wove bit-was sakawnanpie dopained Mak sonaced now, lorked Darwer toNool allee the crouse to cade was allownly bedieved.

offenencenbattore, he sied eved Maply earing tryoush yeht said and Cedie, and aid. \checkmark It was wake.

"The was dibule. Harry seared kagtareds a from her of the hepedeably turtore, \mathbf{r} aslyole, had the or a wast a he at liund. "I them wouldlide heady meed betenile, \mathbf{r} though a mered the mich aime.. Hagkien'd squwere, he anysead-eeasret the raling ir \mathbf{r} in why didned, ham ther evee tape as his sied.

"Copigaing the dorins the witkad out toop

ans =

'smooth loss: 45.104777'

ans =

'----- epoch 3 iterataion 90000 ------

p of and him, and euft-eas to the his himen thist, you would dowes-was glaidut was <code>\mathbb{L}\$</code> think ster the hurt quanted emoub sher he hand was that stich is murtedone befapry <code>\mathbb{L}\$</code> Harry, at knad with wand clussfittoring quith, heive well fider the had have looking <code>\mathbb{L}\$</code> stam it. Amord an fight: me fary moued to drameld sart of upely to a; there would <code>\mathbb{L}\$</code> beht frot, aricucreftrous rerordingshitheredore theired merans scarlsmort hin turt <code>\mathbb{L}\$</code> allining abrulvon's hisine Wormtines of shearew, proples, is wlrapes was same oubd <code>\mathbb{L}\$</code> had! Adsulstere cious. Than to his every, and eounnlach, as in the hand it to <code>\mathbb{L}\$</code> leat wotter at her effist had Dumbleraster nurted rious they?" said Ron --....

He shouse in hed macuthiat cournore, not had now, his sere crogling rus.

Whasal jutch well. You, fur. Mo st ix.

Erony-sie, by carted, withing htats risching vowerored fould sear. The dookep, all, prathore owep and toyplo knowe want and mor Cemurt tills, foich, to ${\bf r}$ his heme, Harry, me'ring out well to Souled betheared if. . Weand rear Q

ans =

'smooth_loss: 46.269512'

ans =

'----- epoch 3 iterataion 100000 -----'

Theme inaur whout Ron Croanoy chining and reorap, bulinderseand! pascedore My could \checkmark be, and habla been withs who telle withly," said Weasleasment a dimioning and rud \checkmark over. The Gool loye doo were off gimyed lingly." "They Dumbledure hees stut and \checkmark timo botion mest.

"Oh wiin. hut into can be pasted of ho gat, wither Quss it dowly, then was agwid told, \mathbf{v} oon of goished roorge expperoxary obbernow around over, that to. And downs at rewat \mathbf{v} se jhany Blast the s coldey a over town you werpil, crising to to the tranch a was \mathbf{v} com the face's hying the treen, withs.

"Stairey? Sibabst's Gsoded you Fred it to lyone staring.

```
"I panteded the sugg were pricedase wand is woubll Slimpone as him cunder your on't arkappa
dowe his saw you?"
"Acking have nevered any hay maiine of had Harry, the de can to blordined end to of arksim
the shy a blyartey up," higg he retulet at into the reales in fremalk; why with?" &
said mosmerce vict-cimingoranl.
"usminy."
"Goyre ond of who the helesting fite reerbyed have the steard be a intee
ans =
    'smooth loss: 44.070559'
ans =
    '----- epoch 3 iterataion 110000 -----'
    I do ontind he live. Howed ak he hazl, . . .
"Yem itented beennot, aboun, ge whis met an bether-on a back lous he brited furmore.
Tlated be'ce, all the brined the steat.
            low fore got she well. He said the menly of the mowire sorst he \checkmark
mootsterioned emers, now to down do go the meapprich the fist, But to and comp wis \checkmark
proiedor partle becas. . Pever. He finichall; both, Harry wened cright'c as to ✔
hadges..
The 'vint be the, a Bard fiding huren, began hone it, ppadill, at leopirach, beened &
face Fared-enple. He to knorely the fare.
"The furned sos to get up; and drest. . . Harry an gupppe turghtstily, casan to the \checkmark
id - timingsoun Nencly she beht, a turbe vike with strair upping opede te firned at {m arepsilon}
the sher, one wonppeme plaw schattole it dour critieves oppe, sFmor Hagraying ans. . \checkmark
. . quacured he spill gat with a to to make life shiing you up as the !"
The mibes beting to Ceeling progs!" still as the told?" Harry at bot larting m{arepsilon}
filling. Mo to . C"
Lelll't him a. He?"
        "ful the le
ans =
    'smooth loss: 44.373643'
ans =
    '----- epoch 3 iterataion 120000 -----'
Harry sat been bot weroud aran ypades's on onp on find, Rowareted was mathey lobrose. ✓
```

Therosesices fore's ong howne bigver a wouterldo powidnedup thea all pawe, they dobes \checkmark fatald. Hagroffauling and roouterberying's bant dillise, non in brite hir with a \checkmark betane sire face, and his yares get could they every about taked her, Imple; theed \checkmark

spake fville ther to focking sceaged crasking watsanppore frobe of to esed. & Hareingan. "Ay of a gark on knying contward of onnon neught I've looked prarte faer, 🗸 Harry glinder, " loon theyrim, insay her sho stupitigely. "I Slobte the met the sitting lidy toon, wish. Sheak adout seartes to towlyeriotet ${m arepsilon}$ fire, apjoturls puen'tide was of in nead" "Itin of what stfice the dershan fisagat the sore dooked qurt their not his righted ${m arepsilon}$ preth, lot, and Proffuyed are not, tell naveaked they fyonching them Qfose foots. & Sed could toldly)? Harry frining soub, battore, up more antibuliby her's it Sfufring 🗸 the baciught My they hers door douls clucted to to busle. Lulstlyans = 'smooth loss: 43.110021' ans = '----- epoch 3 iterataion 130000 -----' to hap. I knyimesy. Mclyrim Maved. "S was almclerny. say smazy want my a the comt arksigmayou was if mrefs's threimerd. "Thrying he'd it, itw fur felter bot Groffured it. Beasly found wispody. Were a ${f \ell}$ frone rifte have uspeged pounned. ." "Stayis heasly," sand mourteffticpy. Iw threw, the Pemter to face inte arksimrumearstedniterriss fach offing watferser was a strittendeen'mped sind Prribsell 🗸 past. "I weule., and Harry fired firsy." Sy would, comting. "Ne told mass heverst it my fat awo tight spickle the got know & staredneatofistill pase. The uppemince." Harry motith and Bagblyed agaying? Byulmamer, the I jevers had 'thent. . . . Voxter ⊌ shating. "Botters - again't, bectaatay. He don thising away moss. Momt, tiked beesseres so 🗸 D"Nover foinswicet pive alled oldeld holder in the in in threvarased. The swisting $m{arepsilon}$ sticis Crurged us it himandoldisvered we was hammeding Imbesty them a . . . her ${m extsf{arkappa}}$ seciver Quiemed helsering porerowntion, him. ... I marbying of foweds; aid. We knyon ✓ pound said ans = 'smooth loss: 46.409125' ans = '----- epoch 4 iterataion 140000 ------'

histworte. Voldow pundentle. "You gus -. . . sorver hassh yelly his mrongars could 🗸

into seing and they as instrigh yeador to Nagmoon, paglber. Hermion on and fexthind \mathbf{k} winked dobled ever ind wan't ocn Slaining disches too chen fore onn. Lyes didt'n polr \mathbf{k} at and shace gold, their thiming that the rectacked peat himsten as ipening ged a \mathbf{k} dentne Amped been like he scuppting figely-de and teal do the jus sy't; with a sime \mathbf{k} saddly other. "Sud charksrightanger in the lauldo and thingss and poll -"A just \mathbf{k} want" he withangedistonteerly to hadatted, Harry's his vowled not as brat: Fok whel to jethe chandisen, aind and hamsim vaily wantecby.

Ke call..

"I tily.... he said Weas's of stendded dowm?

"My bedny Geach wouldrowiou red onverseely antly ingadn a ored tinglented that Aor a \mathbf{r} renally tontrab's as and." I gufures sitting was a somptully and stearnal though \mathbf{r} remarking them your the Irt cralkew celled had and that thy gains out wan, but into \mathbf{r} were cropete, and extle ling had him ter the plowed

ans =

'smooth loss: 43.684492'

ans =

'----- epoch 4 iterataion 150000 -----'

he've . . . how Bigpletish the backly, quiders as pony are everse, had muety. <code>\mathbb{L}</code>
"Awerd make as for before for. S site, Furd wancely, said he, who coldour <code>\mathbb{L}</code>
comonteperuring Cearedone hoir commen sair now the Grast?" said Hagrameedly.

Barry aboun he sho thee. You'le. . . wus unde!" you would brordaired lianong unant <code>\mathbb{L}</code>
and you an'mersouvet at it," said eainsy they was sogoist seer gird onjayt hard oot <code>\mathbb{L}</code>
tase; the warfally the clace he ringecaus the being he'r eengay at the come. "Fir <code>\mathbb{L}</code>
amound to didgerugars, Magick.

"Deer quise akan applalr "Am, you're but ap Inentam. Beveved hand-in an to had com' \checkmark he had onare able tomenimed, they nevippe agaie to emoretersed peright hnying it!" \checkmark "onysing weer lannins to lightrear, and tellethaching was quiar a gake see Rowlreds \checkmark honted and back?"

Harry. upunghing looking to! Amoun sayes towampsed have than meg entoresssly,; \checkmark maffore thiak, the juikidnon lionone about quatlente.

"I all a polloky

lownly and sutting worusendair boffing around had arested a bea

ans =

'smooth loss: 43.841072'

ans =

'----- epoch 4 iterataion 160000 -----'

ay, he said lawt passed his cad; though to uphicnous thay and Begwd lizo word Harry." "erk had at allsther impeoas was Harry wis, Gethat in it expilen't a back effuct saw 🗸 about Bagmonliwird all year. "I've him still call. She Crange frog to the lare like. By wiss Sibed ershimes arksimcame, and Re neariting Ro have at the come would dads," said Duppef a failtame. It \checkmark that the recaup to antboon's was fible-by. said Ron, and tray moatary as voway it \checkmark in, cloCg a starks the Hell frouble as the Gaing of at, tem eye ge too, who just, the \checkmark thnor Golfore. Yet at the sayt the for soor he wande, Beares. "What?" said Fre be ${m arepsilon}$ ver. Ron'm? Hand Bagmsoid, and somethee. Ho stall no. . . " "Hageanted," said Rop it wover for a ge ceally, Bagmin, said the doid, andam, ghouss, 🗸 gose go sHan - Cedrithing mownat bedle we's jusen abse at chand at to the Tay appape ${m arepsilon}$ to the sust some. "Done anaring sithe sirg not old fill arper thought agand anop in the nead they $m{arepsilon}$ tark?" said I vely rowarlionased ey. "I betheal ans = 'smooth loss: 42.979957' ans = '----- epoch 4 iterataion 170000 -----med yiun now you, said caliniterl, just the legsle bething tryiruedly onbad the ${m arepsilon}$ watchaid for I were crating tho for the face cbupeh beht, grattsh me fon hos fou'll & are with even arm. I the camo hive - Mrfing nearly onet as bega make on the ${m extsf{arepsilon}}$ rightey," said Hermione stake were are see probssing. The taket in the spersed Harry 🗸 drere you talk to leen indr seelly. "Crectiuned, I tand face." "Uuldiou!" Hack Dumby. I'm rum. "Perse's mecam. "And glack food. The samply renapank then he do. "You of as Ron, Harry Ro lecple Justone, he cungltably." "Thats at Prots toWe tum up expict -" "It Cyas of Darche'm so helly, whered?" he them than it, hang them me sove chuck. 🗸 "Ownjuy," sack to the way sand a looked in grilled Wagmlle werkop -- -" "Dumbleally even verin. "We at turnt a slest of sees pain harg, and the they ${m extsf{arepsilon}}$ couldione. He got you werriff moron Daking!" Harry and Wlaspaied were nere beleh that his had dopilent every cone allidfing his arksimodn for hem so for through his ceees in the meglen sa ans = 'smooth loss: 43.832974' ans =

'----- epoch 5 iterataion 180000 ------

her last, a saghchersing. "And oad. Arach alle seles,. He spratters munk his caboer, Worlicetly the said Harry alliden ares boses this not, \checkmark he such wearing berack," said, the Durdly he very going in the miging ally thered $m{arepsilon}$ nar, Chiftwnottryarape were mever..." That becaned beganble suggany de aide evouh shorkoran, who imon eyevermow. Aroune ⊌ Hermy that longers beenuble life theirsyinged up the wanchidore.... the arksimDoopTGoon. "Yol said Geyoll undey a had the Deach her, as then, it're Proned oncurrer tolongled arkappauppiced -" "I Ultwere lised stille Moody you codd an what betayrout if hire guple and I'm 🗸 reavered Harry ust your thingmeive lanyAne mairile widl," said Ronted that yeh 🗸 bucure, ananilight pult hich fithollel, " said Harry neastiok a stolace life, " said ¥ Ronaming seavetents of unhight." Oh was they, thay Dightleyrysaring vermoring your Ma. Winken. And a liviint." UFlled knyBhy who ace utryit, longs him that owher. Harry voainsuchs fattry; but arksimVorded the haur of Harryibre ans = 'smooth loss: 44.251487' ans = '----- epoch 5 iterataion 190000 -----' o ringe Fad quip, Cour, I what, to Buppict excls. Lest and beeting Louted ty call tentowald it itores hok, Moody bot the vave. "I courve fation, Cookrots trarm that it. M plany concling, some it. Teaved to his ${m extsf{arepsilon}}$ govices a shouser to go what he abls to do, ang bennong and would yelting to mame it ${m arepsilon}$ to threimiot witching liking ott a shoou've fornod," said Ron, we's bose arin old to ${m arepsilon}$ by just a bid furstry bug." Er The have. . Thenling Moody do on him, who euspe arksimforwing in ke now his sondoid be - prighor A scudly. "I seen of I ind the furring " the fi. Of that, Porge prip laser grainicid suddle it, with uped at dyed aven. "We scarcur, swargy's Joughte-ple. "You and hud the forbodyer and maring whil the arksimMagged ay wolunt way cratiok had. Shing like wave wot's, you?" He woor around with hoisuse on. He aw leach." "Neted it the polins lived yould of if indach room, you, nove a lould eld. Aver, the oppe aln juigh thited delver, seced howing the rose awaress. Lefching bonted do at the on ans =

ans =

'smooth loss: 42.770371'

```
'----- epoch 5 iterataion 200000 ------'
Dooking his reareds. your snacky nass's at he sagh . . . whies's pain its roway of ▶
the whreing the spiwes abol of but you're Durst was you way Mr. We inded his voites {m 	extsf{arepsilon}}
scrowt it and out is shourmed be about sild beht to how, with a blactedly vinged {m arepsilon}
heldab stoway you'lludel the faire!" There furmly try, Lawle.
```

"Who now scrooss squegip a gerouch benated that. Dond at your -Litus, Harry, 🗸 Camblech adown firse finizly enmibed a door a mubst of tood their brighter! "Ar 🗸 every. Ront effie looked froy surway Ched, Harry back as brivercos! I a from the 🗸 Gloss's bleampribezed Drecy, eachent of topeoughterly! She ar."

Hand pust skising chaghals.

"Why'rstrok and curness the were.

"When his they would off in the Damp."

He witched Drabbed came.

HeRkant!" where knowted hurl, and Harry elder, to Harry howed be dorove hormiat $m{arepsilon}$ flamebled, Dair. ."

"Lork off Dark as than mostays the tablas!" said Hagry, scother. . . not had I de, \checkmark "Very. Verky.

Harry, table, who hores that know wamm Dobry.

"Hermixt

ans =

у!"

'smooth loss: 42.711743'

ans =

'----- epoch 5 iterataion 210000 -----'

Snearst... he daddere wat to neP walked ot'le, befter to Pogoon. "Whre sust looke. ¥ SiDiny's done he deniss epery hop.

"Harry Weastald, then," said Ron wall letters out abonboss hother. "We'm puining the 🗸 onkes's I sell' againid their ferting.

He canflingerins of up te Harry lat cud Harry the Grousely had, puen asterave meased, arksimFoes.

O'll beunoieged "fun with I've reat them old lowty," Harry look. "We wall proff her 🗸 Sile courser. Harry dowe. . . . it, whenin be off to divel clote, Harry luine, her, ∠ and Harry voite as Hermely of them him. "Ye saided my eyes s!" whilfs to was $m{arepsilon}$ Snappes-ech him.

"Harry Wad some at he to this got yecked fron to wast seer.. Yor had?" "I -- frought 🗸 Snape Percher wowple finchile tinaith Harry leale the table's s Eevent takep's are if $m{arepsilon}$ their Lyion soBy - he acking, him her.

"It. Winnts. Arlether who revered it? I's pulo neaked a geapp hade cheatly seaty we 🗸 just tuch her aw he who fich the in ... I'veh show in up iated stapped pitile care's ${m extsf{arepsilon}}$ houss loonef

aroung hear?"

```
ans =
    'smooth loss: 41.749156'
ans =
    '----- epoch 5 iterataion 220000 -----'
armored a fere about not had Dumbly," he - the lacks.
"I were and though hantasened now fort was been righter old, what, I cortslea, tham 🗸
somether and at youcay ersould! Is as I and his!" They had buts.
"Why sloor-on - you looced g Le his whose forner pactly, but to oup.
Now as that resly, Inrounk screally, Chousa!" said Clyorie constristo-kilfe wotreery ∠
of only cared to gerresting fer, a tarmore be Prosuche arong maigion aboun tamy as {m arepsilon}
Hormbed. He corsinyon him.
"Vikes. That had be drast excinnotaning, and of awall's too got indo up with the faw 🗸
I be ared a neak inyert the noo Creat eye they some sat led, said, and the bett stran \checkmark
take-couth brdamber Eave as now, then, thitch every hack, and barst, and that Pelt \checkmark
the mos to knot be helr Firing him ofmed nout zooss the crack the sovo will for to \checkmark
had blowd of my a !"
"You mupble. "Bucce-frowart, Chass fy, sied fertare beist ofe, the Dleavpon &
againgeror, Dumbledle the glyeno!" Bund other he wist twillesed it of arksim
bsturrountreely of M
ans =
    'smooth loss: 42.226020'
ans =
    '----- epoch 6 iterataion 230000 -----'
uch theres. Mr. foen't the dighted out look."
"What?" he soy , ranked.
"Theme next, Kardsosh ripponteapint had the pagileld backed could, wheing &
wantreende's fach her enged yting Hermioug of seor Hermile?"
"Yon not belongers do!"
Fred, nooking suddendle face to side, out, and Nevery right oater. Dudde werer't 🗸
acringed Mr. Crfeaked, strabs push," say off luckst's sores, his noir down enused his 🗸
so toward they up a of back sharth wonlfo would, he golder of she the over, lauched &
fould idly with awark, not reeled pags it pe nobeed emong, Hermioubsed, hew indid."
Behts on the give be sing the over a again.
"And that sa house with and uscoke, "food that Hermicet he's longeever," laky outs.
```

"I were about liked dircled have to hcarkay reald shalp was eyes manged - quicy" Mr. \checkmark Weaslickerse's tritening pidn't twis clusserstryer, Dumberind all tennow wonging \checkmark

```
"There?"
"All sisting eyeereds. I were starsm curt extly the iculd think," Mr sporesared they {m \ell}
was, then the graped very's sai
ans =
    'smooth loss: 42.836203'
ans =
    '----- epoch 6 iterataion 240000 ------
's recane Vister?"
Sre fircan; not the sinuldone -"
Welsing, ten," said Ronterle seel cemamtle edick and. Harrid a pancheals oldsymbol{arepsilon}
legutrissibber mon moter of prigged bream down dim, but were arm. Magasiones armore &
the way - in of have nerienic seen, some feeser think looking to Harry voisting there {m arepsilon}
winky cryiff - as sandook, him - Not encongsing, Ron," said Ron, a sule as an the MrT 🗸
a o large him action to for all face hall', intwit have, "said Harry, "said Me &
qurttled the thal voime a quisie, in was murned ited of madic. Tirl . ."
"Belled antser.
"Anter wizard.
"A quain wasiighing anyizy reheranen - uphame lixt leece us heid come let Murlain 🗸
find, scrupenteding - if then, but the get my at k-on would," he sudgamed strarten's.
"Ahe flaad, whing we doyoned which. He Viplien, were nams murnible seem. "Yould "
gight paine," suren, "Is tookch. Oh pawnen's like Fime turnt, Skeach, and vook then 🗸
been veem.
Rom.
"Harrious Frieded onese com top, and awly force we cauram. "Isteer staicaring mov
ans =
    'smooth loss: 43.294835'
ans =
    '----- epoch 6 iterataion 250000 ------'
aboot pully to dimed sand the tap.
"Oh ened the y that horewiclfoselpite!"
"Mood in," saived. Vermes. "Oh', itle Peathim beat tabkeds, me leen amoughrsing that arksim
- his I'm morish shook," Harry waye the haing in the maicing look make donching pound ₹
prabbe hose ochervish...
"Wow, inswions and Crinting over Pidly his care to SnSMot voice and the tiupes, {f 	extsf{L}}
pulled here his feet Sill Sort to weec at and stoneer: Hermione lyaring frope, ass, \checkmark
Magtrass the brist the onco Mnowall.. . . ant the rone uncall."
"Dees exclingers Plance somped for to come to Hormil themirgely!" Moody'rm.
```

"Er frought hero Mucure nave moth on't fratere or with from the schimelle studely and \mathbf{r} not gudn seen loa the calishtare he very ge Anvet - time and a said dosm oul hard \mathbf{r} with there," said I can said, nor beim pinioned, soOm!"

Bace an exturn his mecef Diggon to petinchenting he had cloidtle bot surt had eusling \mathbf{r} havet, hid, ghoubled in helly obpled a quich interch him, apphonelsiccting as what \mathbf{r} anole, he foopentongan lep ag

ans =

'smooth loss: 41.603677'

ans =

'----- epoch 6 iterataion 260000 -----'

her, as I'm mighople them stuxt hurred Cot got in they'ly in thun poun over thed?" \mathbf{k} said Mr. Throught to after howly beving! He had felp was well fatt hlouldy this \mathbf{k} suir arrund, took.

"Live cull wastadall oulkedn't downed face gush, Comeve remorking the mold, agaifs ${\it \textbf{k}}$ acmach in remour tilun.

"What at when he lass. Yer every him sous cuxwere tir. Harry much wish was ... & gurnton of the have store rontuch after your all fill agoid masicard dispert door a & odd onward rightear; wint a like then over the flons the Wlawly whice prighing his & colf her fino dould of he have his soiret. !" Hermish in the neske a off thick & heacor Hermione first-and next the Culled in at mome walk used took well Craver & staring to anght once as fordin-witend. Flanned reacing. He defrown affich, all & troir," said Hermy his at his before shouled link it marbush at ho bothing.
"Profd!" who can the had bererte was bivising, utle's conet at the maight idly of & towere banned sirluring guggr spiffy wagt even the forned a

ans =

'smooth_loss: 42.747896'

ans =

'----- epoch 7 iterataion 270000 -----'

e cyempero twea banger's sair over any it," so to twe poucheylw. He was had as we wizardly. "We's Creap dasp. "To will want be-badal them sew Mr. Weasley Harry?" CrGopasly to make up this yelled unsser's of Mr. Wisclys, felly. "Cust ease cabily her had just pee to time to prite Alloon for wheround to beher, we and ind is. Sus very a dene withing his waspege at tellt oll!" said Mars.

"Wea, workile to tried to not was. Wharry gusen'. He was a pages eppranies time ale \mathbf{k} dreatach just cawing table has as where was toused were propie. cheaw whise's Crlot \mathbf{k} out Mr. Weasley pulle'rmaystred, not becory it to propfivels, that Harry's seary fan \mathbf{k} fordwit, they conest his face all. Worly that alrooved of thought ist, rill arounve. \mathbf{k}

"Ciles tain oper to ; lettay ered the watchs. Owhet to vapsjemort a HeQkerte a siw \mathbf{k} and a of out the bonct," said Mr. Wiscle agoomber!

"Oble, and starls, they dist arles, slerled to voa of seed Moody scarway-shiok around $^{m{\iota}}$ said, is uire around eversa pubsty veem Weasleyli

ans =

'smooth loss: 43.745064'

ans =

'----- epoch 7 iterataion 280000 -----'

only feim'ter as him. "May: Mnd tove nother?" said DETIREask of abou? deeas face \checkmark taked usowed sire ergilled, Megy suriused Harry As sHEE Cg. Weaslut heard of says \checkmark that and a bart hoot."

"S ven.

"You dis wis," Ancackranfling.

He was them. Fragteceffly, he eate happedsts ailf Freding ubshione you'll a out who \checkmark a back me shou. "Yon?" frrict-fooather was awayiaglew uarr," said Harrid.

"Mooded, boffle Hermised, that the's lence aran.

"Crut Fred a cogef prack of do wand they doir froigh the going it poud at of say - \checkmark sillict's want flamerory to thriniant where seer my atty, brovory, impert, ovenass \checkmark ont beforgents boilb't.

To wive picinugglewideass of a I vent. "But yentress, but wasw longs it a daysed \mathbf{k} yeuchengs ceament," said RodEdionouss Or't voarget: "The tort. He'll how abous them. \mathbf{k} "Soy, and Ron arouciny the unvear dinarsonged wall Onmean of mo stent: "This even \mathbf{k} table their disgote no told and Hogwarencing intand if sursing and Muffit Cupall that \mathbf{k} upon the youth shey and ferrates. eRk

ans =

'smooth loss: 41.889254'

ans =

'----- epoch 7 iterataion 290000 ------'

rement at he grover - Harry?"

They naway-boon yearismens.

By onthal to Ranine allaniry an way its was vighted that sidily reas of - the Dlaan's $^{\mbox{\sc k}}$ not a stea me for he suppor'ter?"

"Ron bleak Harry. But dave momen', Pofss show told gight a shin," said Ron'w schoot \checkmark agaadly, every. ye if intearing in the Righ him.

"Nonfsed Hogworad-ered, you wish's goidly!" Ever and roire mosed foriad emovinn, ν with by Elfures, "said recor fiss eact.

```
"It's anct time. "Owle the cousulus and, but you Harry her she so soma.
faughan, I controngeled haddores - sorcks Night atter a dada, an gamm-, he'rmading ✓
give Watter wihn'l very wanted firlismoly at as think I'm, Rleall.
"What taken she were was and wougll; and plane, moator the Pean't not intich. . . . m{arkappa}
. "
"Ed Line was were them a sarrived, was fearedote. . . and about - Csrownly lanfote arksim
for rud time. "It's scoudall charcurstranted.
"Legail agardisten stolaig, ansster wand she wagd is Beran annigganten' a frot," she 🗸
kly head wild watring one Sland each,
ans =
    'smooth loss: 40.502055'
ans =
    '----- epoch 7 iterataion 300000 ------
ought they had ..."' wadd!" Fhein out about;; ins. ..."
He. . . . . . . as hard.
"He've yeh lifch buble down stooked swe?" Seed not and quiiteriden of he cay triny &
iffited behe Flies in the asking to Hagrid Pett sk. Harry seck know about. He hadd m{arepsilon}
of champick!"
"Percy. The makiling into keeked nere!" Ron wand Hermione, who have his where he m{arkappa}
sown-Ezeven a Hermione buce? My and back, who could are saw knep time's bocky, in the &
said, he armilsone exert at his wand chioting with merly.
"No? Danged of his and side that's naved worled?"
Excegred. The up, depaid. He wantender Volderite never, The older with was held, he m{arkappa}
his was Heaing such did coulled weavore liking though -"
"An t mogations a large. but sees hliwed. Ceterid, he dobuned.
"Honthing not comvinked, nonttled I'll at anxres, he Dud?" ind rewarkedits have get {m arepsilon}
conver up, Krround door a sthere!"
"But and very and Harry.
"Why where ans. . . with.
Harry, desed'rer. Snoocering.
Then," who - af the usway an of Snapked going hisp mo
ans =
    'smooth loss: 40.722356'
ans =
    '----- epoch 7 iterataion 310000 -----'
rney she uperic of the back at the quize ont,, was going, put a wond the what ding, \mathbf{k}
```

and sus, do one each or gill suppmenat it a been on be a back, Harry, the caicing arksim

host of a weret's cuppate Harry, and him the grong maring and fattun a maying on \checkmark he've him or Filly. Theyld bonning the," Dunnesle Treat, Coret up.

"Now, And must an ersing shut about his sslawe it around now theyan Moody - breador ${m arksigma}$ likned feer.

"And deacing right eggo-ents ols tent to neading nam, littredo-. "Ge froy cozark \mathbf{k} longly tur," said Gryous, prets and nick of the hacs that you givatelm, I Badmor unke \mathbf{k} groptrins right evans now, Harry amilled they gighan to poins, quised a tangeves told \mathbf{k} sking it of . . . Karkin sGI Geeverons ecame jattally badmendat, inside he was half \mathbf{k} to before nose neick of him.

As entored foren with aio coldo up. When the unkied at undly, Hagrid if right. "He Mojeething it eard into had," said Eunkeper golteding Ludde thisk to tuddul \checkmark though a proff, and hive dimirged, and Hermions the se

ans =

"YO11?"

'smooth loss: 42.090307'

ans =

'----- epoch 8 iterataion 320000 -----'

"Weas'singss the tous the deacald Quiddit to time offidall becush Mangers, stomering know, in and in his to the Gefred, to for . . . just the rabods, unor onure.

The place was Wifffighan from, stowaving the mivet?" hets, I was rippon.

Be straytete, and Mosslys, trouth turgy-fall ong his Percus. "I a one for a knowve knowsevers the bart a lent, Muppeat swidn," said Harry eht he somed Mreflian knowve knowsevers the bart a lent, Muppeat swidn, said Harry eht he somed Mreflian knowve knowsevers the bart a lent, Muppeat swidn, said Harry eht he somed Mreflian knowve knowsevers the bart a lent, Muppeat swidn, said Harry eht he somed Mreflian knowve knowsevers the bart a lent, Muppeat swidn, said Harry eht he somed Mreflian knowve knowsevers the bart a lent, Muppeat swidn, said Harry eht he somed Mreflian knowve knowsevers the bart a lent, Muppeat swidn, said Harry eht he somed Mreflian knowve knowsevers the bart a lent, Muppeat swidn, said Harry eht he somed Mreflian knowve knowsevers the bart a lent, Muppeat swidn, said Harry eht he somed Mreflian knowve knowsevers the bart a lent, Muppeat swidn, swidn Harry eht he somed Mreflian knowve knowsevers the bart a lent, Muppeat swidn, swidn Harry eht he somed Mreflian knowve knowsevers the bart a lent, Muppeat swidn, said Harry eht he somed Mreflian knowve knowsevers the bart a lent, Muppeat swidn, said Harry eht he somed Mreflian knowve knowsevers the bart a lent, Muppeat swidn, said Harry eht he somed Mreflian knowve knowsevers the bart a lent, Muppeat swidn, said Harry eht he somed Mreflian knowve knowsevers the bart a lent, Muppeat swidn, said Harry eht he somed Mreflian knowve knowsevers the bart a lent, Muppeat swidn, said Harry eht he somed Mreflian knowve knowsevers the bart a lent, Muppeat swidn, said Harry eht he somed Mreflian knowve knowsevers the bart a lent, Muppeat swidn, said Harry eht he somed Mreflian knowve knowsevers the bart a lent, Muppeat swidn, said Harry eht he somed Mreflian knowve knowsevers the bart a lent, Muppeat swidn, said Harry eht he so

ans =

'smooth loss: 41.833067'

ans =

'----- epoch 8 iterataion 330000 -----'

e all scagain a numnis, scroy Chought then the Pottily to paicks scarror to the \mathbf{r} clowaat, Snatchet with out on the erbound furfur your wask a bouched them surbon't \mathbf{r} humped not off euscing. S of was, he was to turn a mustul ide sittersboot of a wate \mathbf{r}

sied Krets!" said reout hags! "I'm toot ther, their of Mn6Pelked from the gron \checkmark whose, mor cously them Ron now Fred.

"We've aw anigh what epant on he rear to surrus funted macan jaze?" The pud af the Crever behers a stace lite maboly.

Howite it tang. "What to do," gadnor over Mobse'd ks his Hagmens and bot \mathbf{k} Sopenperst soon for with to drow mighing he watchly of - I can durm;, fin of Ma. I \mathbf{k} firsanwering inyoble stogavingan chan vetter at how on Harry boon you his hartwnyses \mathbf{k} bet if kelk your to Croupr, Iire now, moring tir, which canes - Krroff searton Hoget \mathbf{k} he was shoulder pagle flame esed she looking to a Harry allowiviolatura to do \mathbf{k} thriastrown fire for had Harry, and know up frouth ons. I hard belescin-" CrYot she had said-thicd.

ans =

'smooth loss: 42.090128'

ans =

'----- epoch 8 iterataion 340000 -----'

nced, the came paoy itass

oad the droke,; Harry, shor allerling cand. . . with to not pnief inwayped eldent \mathbf{k} benore them onct Harry," sail Harry apotting stool of on worrnow and spuding when do, \mathbf{k} a bote had grom the shard for, we said surg shock, said. Harry semeror last her \mathbf{k} eaching is up dadn't the envold it of the suspored to see when usure dad. "Ertfore \mathbf{k} offts upowly, but Wheed and mo hupned right to . . . who was said fuss as that, sond! \mathbf{k} Them last!" sappere is compate,. It and Daret?"

PWhuper plaze, he sunder all. Hermione my I nook someched got to wonound eyes him \checkmark scort hap, they, said him on higg,, head prown. He civicted, in was it it. "Yes. Whect a brum; he's said.

"Ne snookent spropled the hown"jurg! You vere with is the momeld whe herser look of \checkmark down Harry steabD when studing hnappith him was make wand mel. Prance what do. The neever. Profess. The iddo was clowd basp, and lers he like ceabble some, \checkmark banneds in, like out, books you brifper, with stame a comt the llut ok

ans =

'smooth_loss: 41.539266'

ans =

'----- epoch 8 iterataion 350000 -----'

id working over shrood, house mared a blander's no Jore, and twinivain off it have. . . wizard. He had but abled Wink, saiots other wreet, said, their now \checkmark sidy. . . and you held as .

GLo and that Deor who dold on the bor hap his that the dadign, whiting of of extrames $\boldsymbol{\nu}$ wenensy tow when he a own of the sil had feet of arom? Voldomed entinct Bask, $\boldsymbol{\nu}$ seartated an mest that someswarked, I had beconking lased, acricing.

Filin. Hadring was coive hagk bofted no for to they're collbory rise tave Me choiby, \mathbf{k} bun wime himsensall.

Who, we had up one Youts Harry had somecledortle goight owh he ents able him a \mathbf{k} with engled so Nave worttiluting walked bit at a liss enver, I infurgh oper \mathbf{k} erftresledone of Murd on Harry over, his her mett the Quidll a wand Cobriss. onters \mathbf{k} away s ver. As exent, an aw of trum wast and was Durmalissed told anow a usian had \mathbf{k} downsibly?" I Wiokstlew - agoid, an untonttroag," said I Worbledtered ander, \mathbf{k} Shebringrove fur griation walked ser, and Weastion was air. He Dumble

ans =
 'smooth_loss: 42.960544'

ans =

'----- epoch 9 iterataion 360000 -----'

, that all, sittucesney on theirnateble Petanistwen' that som Crastion the tont. "Whee well very norinfosed trimty upon.

"Yen sandblen twazing. They terrear about BoAnted that wantatting feat their time \checkmark Belthing and creapping had try heaply."

"I've him burshisardyixent from much, and habkans?"

Anted broad; dioighs, he pleblew to gake betting the repertorusk, to to is to the \mathbf{k} wand a lated-ammand off sbot had Annoced and Me Ark, and Mog, here," said Franged to \mathbf{k} know'men'med? Thant or and feean luts who was and pring it, And contailf thy \mathbf{k} beensing from mear the-rund standiff swit, and you on the starl starte."

Fill about it!"

"Ohe ranipper lettered his mees ssward: It have they voy of scarrip," Madts weres \mathbf{k} out that tall?" Heldible into strouching you cant, plest know five time to leally," \mathbf{k} said Sbat around be slatty anyther clattey armeds the" I'stercs said, Birboly her \mathbf{k} only withs heassharblero jeat?"

Fur wite to fers about the Bertan."

"We looking spoke wadde flet free rsnot as t

ans =

'smooth loss: 41.594455'

ans =

'----- epoch 9 iterataion 370000 -----'

e, fires, my new tablent as twinkly, "pom said. Let, a spawe each over seet -- back 🗸

an go. "But at in at that didionewilyone. 's for how Cand endebp anst in the next \checkmark a take oul beher Ron lade even scampesing stered lith be in - up if said, but, \checkmark leacay, to the Gry bough From wann to thee dignstured sther, hadr; goxing. "thing to fons intent threas freess Probugh the Cgalver.

The conthing," said Rlowll, sniked sats. Trald were! he legledor heme, and \mathbf{r} thinked Er around goon their ahe coury, alr. Crousenfing with Suck his clase toward \mathbf{r} haghhe for for notter he've to pertingles tention about the takix lian they in thel \mathbf{r} out her.

"Then they telly one on Harry, but the suddencl, for . Doffeesrembling simentrepforw, \mathbf{r} their and see to his dragge Lononed sildiegersed holdushtred fing turned would to \mathbf{r} ringory" she fating neres, Deat up once them linted mold at Weasley'd to had fert \mathbf{r} when snodly. He somemore.

Aftred on to go pully Maging to Fne on., tund colthing tack, pinushure agard his vet

ans =

'smooth loss: 41.985455'

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'----- epoch 9 iterataion 380000 -----'

und he Irlets-once had rot!"

"Baying his mormation mobor odn?"

"Oh his mustted?

But asving up of one very be arounned blet affich snid onized to sudning, booto \mathbf{k} stoone but going you go ter to colk to I'ngrriss of head time the moiced!" \mathbf{k} Intaminging its fell his corrust's glimenaze pees, who wated an Prysh askatves a \mathbf{k} lack?" Harry. Ougge thrive--swere wats-even riple smociughing the

"Nower, Pertementered an the hap stace murgy's Harry.

"He the daddout going him aver been somelamently wittidevounterstiege have year. \checkmark Harry he well pains searney mature on to feet me kinds lookeced of it, said he's \checkmark sule.

Belte ontret - the was wastled. Bothing teep tasuzed they' lookety. ," sully - just \checkmark yor to sind pight mapposssanian, hut," said Batllon?" he virte. "I'm, pluting \checkmark stoon, EALE, Ron stoor and immarks to foungly an ceath, bubffich a scundrous; where \checkmark the Problees and rubs, snitain of George Gien mates in Blashisan come mapthing the \checkmark mopeched voun flaer, jumprsally just he well well hand hi

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'smooth loss: 40.297811'

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'----- epoch 9 iterataion 390000 -----'

led wouldling mow nowt, the moon sitched Harry, but youtible of fought after a \checkmark forendold and may sether scamot wattage glass-ough when were with there bottly. \checkmark ACrurm.-

"And.

"Of him. "Yeving with make it - a pared though. Dumblerals. "Dsyon as gllory $\cos k \, \mathbf{r}$ seevered he't; Krumpize tore at the around comp more seeverins strowal - stoor \mathbf{r} forisiep's Truned, shaftle sees breach-f--thing ored thatters hes was crick - with \mathbf{r} out his scmowly, and at the sifer out to Mageves," she had - ask his and him. "What juttard and see, but Nonendiach of the comenlow had sed a seCkle Dumbledore \mathbf{r} fircionswayed to brovidy stid," saids takes if pried donded again away." Hermione \mathbf{r} nodded say Potter.

He sidiouss of the pleced presuid. Drecterupe down fourbors, to Fore there to this," \mathbf{r} she refer hich mor, Harry eyet as the smoom. He spevers - up,'s bable was to him \mathbf{r} wolk every rairs. . . at cloust wirl mo the Dumbledory?" Bagryills, a down acrossion \mathbf{r} you was forroon.

Konding appeats. TS Hermiove. "I dois.

"F-PEffi

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'smooth loss: 41.442248'

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'----- epoch 10 iterataion 400000 -----'

ved in an twas again. With sing had ikoved.... you him all at hay gosting at him ${\bf r}$ discorewbledsite that trair the of mor.

"I boughry Fack everyory, Harry Levs to start. He is Frip. Frec, the siries \mathbf{k} woroups a mudd'e to vicaning as Hagrysirve armidess. Throusinheratting a lung a \mathbf{k} lartt up a didn?" Harky k," said Harry, of the s Exoption, to Durst to had it at \mathbf{k} Lut forch, a drelting shared.

And - chailuvle a ."

And vas there and mally, he were pant Heving the care risting that about poody." Thores, and dondite, but and fert at into Voldes tame insturghing -as the grongent to \mathbf{k} sluper head had him; undist, slegged over ask you doing anxistre and couth be and \mathbf{k} back shoute trim. I well bont starde Volticing the from - has beat with -" Huxdel, her on is dilltled, he was right been hagkanter could. There arfat so to \mathbf{k} palill alons had foins and Bastet he will would uncebbous obly the sclots, doon the \mathbf{k} father starded kind."

Harry trues this to themted annvickey. He had every half book the sturg

ans =

'smooth loss: 42.925968'

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ans =
'----- epoch 10 iterataion 410000 ------
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w! Thatling exploye hoicusunning semped he was of flames this han," he resed you're $\boldsymbol{\nu}$ was eace, orfame could, with coomo his real sobeh witfin owhe out Ma.

Lacking nevressers owcle side uncope verter word theretred!" saful back \mathbf{k} peeterions faw Celecher, les, "onde in the come, you was excovedy Mulfuck, I wouldar \mathbf{k} interse espeasion that bus Pemperahsarering onto Harry. En are to he had gllodde \mathbf{k} tonest a hoors acrosing Frame – an was at the schood s he had nome dowly used poune \mathbf{k} away hat asmimely dinget houss quichind at his ace see of be from fightucenaze Deaup \mathbf{k} -ly who this, but then at the bangly all in You har up. It afta necke a maghone. "I \mathbf{k} toulle, peeproop -"

That fathor. The be Excatl, add armstilf shars, it les," said bed at a \mathbf{k} stairnons cantited pustibes Bagmst. Every stopping the of quisely had to ripled of \mathbf{k} his firesile thanore Chood, and poody, shown to the Digate at quich that he and at \mathbf{k} the somart looked Man time been life diokb's stacked the mailing a keard waw askeds \mathbf{k} on st

ans =

'smooth loss: 40.671922'

ans =

'----- epoch 10 iterataion 420000 -----'

d Drag-toom nose or froutsh of he Gasting like grow whistred was didn't abstlyone \mathbf{k} that at the visan paibed. He leanly. ever fall!" the her who's Harry Dud. ," he \mathbf{k} said gour was got her has once into dicashons whisings - Cupemter toprowle clowkly \mathbf{k} had dosmowe apparing, that looked out in that it studing the casiebered." Hermilams?" \mathbf{k} she could so on unwe!" Mrdake. He cansed or shoon.

"Yestrints, dols, was agow the quitsure hidd was that now-'t the crost -" The she's prigw.

... I clouss in the eye their unfrizeld in your alang day. He be guld focting from ${\bf \ell}$ Profelding, her.

Fudent;, trying had - here mught. He's presed of the comes the and seemoncle \checkmark scroner, him, leps to looking did went about itsume, he', him!"
"Bhat it Huggir, but ca. "Sward it..."

It firstof reaticaled.

"Some bus!"

But the grong of tirry- Hogwamed down weneme, looking are the into tell, siwardLy $^{\mathbf{L}}$ bastes! Getcho wartrame than's shall. "Le cho evean at the say what tregstrivs paire $^{\mathbf{L}}$ wourted naming for in him.

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ans =
    'smooth_loss: 41.482990'

ans =
    '----- epoch 10 iterataion 430000 ------'
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day he was whing had overyowled's been be hand saids the slowasly. "Weaslip, and \mathbf{k} eache out out of as there ho the greu of him Soor. It to priving they like, back \mathbf{k} this out at he mudged were notion wening of that tis as Rones to take in an the fance \mathbf{k} flunk your you to fogmerous been dranesing openan for over the reeverath hingly. . . \mathbf{k} very Hermione gate. He house'sw. It dopn Geery fore into beter - some louds the \mathbf{k} gole-mel. All now welle's he lippely the one tricking speen muqut the expliced is \mathbf{k} with feat bur passt in. Goles. "Velk stopag anvair. Harry said. "Stuer ever his of," said Hisw time stward you askan, thature of he look. said \mathbf{k} Harry)."

"He told nose back buther and same, Skeeched sto was that the hand to gaking he leas. \checkmark "I lever. "You didnlying which Moody didn'ts hon glain botion confly. "Harry's \checkmark Potter at pookalk.

S in interave were exaurtement of brile haw looking whisted we lookale to Poter cho ${\bf k}$ see know neak his toplousen been the Kerboy!" said Fred the fon up-" "ind

ans =

'smooth loss: 40.181724'

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'----- epoch 10 iterataion 440000 -----'

Derrestered his have Dlickated knone canded.

"She want I wasfemom tome dourze riswnight kly and at them of to be deargered ${m \kappa}$ vitching beconderateties to giry in the donone ted murn repley.

"Is teir like here hispione pains. . . he some wear way, thought you, know as as \mathbf{k} Herme, very with. The girsing saw undatistening, usoulf? The from, Pot. Ir nappty. \mathbf{k} He would, and feet upterrorme that didnory appealing you host'zing the scheoled room \mathbf{k} meg vout doom in the flose for was of sable - he lecking so woreter hered felt a \mathbf{k} peepind . . .

"Get. The encone Mastled his hadf besaned be.

"Tremoress," risk run skippent finingure to had and surpt and back, I hav, Eund on \mathbf{k} approshed morned proves at in elshly told, Cratter?" sclobed. Frespes: "

Ton a schoosious openanted shark the mate the nemo of head old thind maver didn. . . \mathbf{k} are, he could you plown not, to his vottind now to thadledor Snaping topriaring to \mathbf{k} pooked weirsterush the mumbore and nored the fore up it; I up from yon a celleary to \mathbf{k}

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every a
ans =
    'smooth loss: 43.757069'
ans =
    '----- epoch 11 iterataion 450000 ------'
ed dischet should; it of nind fel.
"Nee!" said
"But and of Bagman on greated hep, plackon wither tally?"
He was sideing ao eyes all is of belong again?" said Butter -"
Awhround's deppering I've sidd, Luther that into down, and blouddned round:
It tartted theurhing arneve heldavo, sumble, and Hall, who was been tome and bonce, &
Pecal Emen for snowed bother wood, and ins firen a back wells tend at then flyom tame \checkmark
non, sire celthates him, was all just pne. Hs old; their was dimmesly. Ame angenes ∠
of vartlested, and flundous furentered toddel mape. "The Bulganded at Algardy with arksigma
in fect fulllowplaticnecing, Karky thoughter was of rescosty in, and KlUfess had &
shapked -"
"It
ondister the eyes schowlicing, or all the ustarrs biglmed.
Bithing fould, Luts, lipt their wealledul heack.
Magids's have the muffs . . . Volde qught, and Bullsed les. "You wanders. He haunls 
u
Quidlint it tritcul muredor banle to the creal had, forwort a upsame mared tOGrast. 🗸
There tim expetting and said in londressi
ans =
    'smooth loss: 40.648840'
ans =
    '----- epoch 11 iterataion 460000 ------'
rry more."
Dumblatle buglly, Harry evenk what were breath, yire twipteted in the ited Drearter \checkmark
had tain though Dobby, ahe dant.
"Bed you lookned a nothing a suff no rorned oonder it theat fatay, a gerrope, "out.
MxVertorn the forenterin. Though dave smilis if the compeern. I cusmbuenfind up, in {m arksigma}
the mere.
```

"Geaming to thel get an want you was an't waice. Then he depush you slimer, semo \(\mu \) first doaicals fot house taw in his widily?" Throited wechen't withtard horrinned \(\mu \) creardy's his a like ose not it he? ever," he letched lespered. The lacm. . . been \(\mu \) Hermiould and were cabeted been nared. "Why was low.... The doward in thole dides?" \(\mu \) He scaring but anyzet your linken scaron Dumblating will canicul,, an work his \(\mu \)

heaclon't to him. "I was could boy had haxping turn. he ornet out it?" suid & croads?"

"I could I wead in the addain por and Vitting kneeces of - yer at You have, to his & ils, but to the wam, and Ron," sthat had for fich, that downint at the light after & Mugh felt in abointly.

We

ans =

'smooth_loss: 41.348873'

ans = '----- epoch 11 iterataion 470000 -----'

encason't watcher wording a spoke fuined as though yelly. When at you an orted $- \mbox{\ensuremath{\not{\nu}}}$ Chhad will guaway was be trret it of Mugganter that though you come it?" said P"S no $\mbox{\ensuremath{\not{\nu}}}$ misire wish ain. Magsnouched mmes. "It and and in make who unperbly. Neall, any $\mbox{\ensuremath{\not{\nu}}}$ carted Recabody's had "I momenaring of nare. "You, as attanker. I lasing to, And $\mbox{\ensuremath{\not{\nu}}}$ dids Bagman son't as Ron were in his suped notter peat yeary. "What's doung to $-\mbox{\ensuremath{\not{\nu}}}$ againneming ale. . . Hagr. Harry spame.

"What?" everly no," said Harry Harry, get you're, back it the like," said Ron, and \mathbf{k} brives. . . Crall some his all. I rebamsurions framing with you Hermione, he \mathbf{k} groon. A Hagrid more up a you have tels ond looked. . . he sidush, and them?" I'v \mathbf{k} an are. Shousing seemed their of ypuf at if he cably cleet the eveenawer up. Ax the \mathbf{k} corting at Dryilestet enteroschinded mor and Cedrivoe's bot from do beform.

"But he con't been Hogwan?"

Digking, and thought though to Volden't haired with mossulads. "I must in"'p ${\it c}$ charing" said Rowise and quic

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'----- epoch 11 iterataion 480000 ------

ete to danct plapil wis now willing killing the Dlanmers appoghan those voacheard, <code>K</code> here corkates beccoff turging the watfor of Harry, Ron, and Ron dourgleand itforio <code>K</code> feete, the wauld meroungion very stupal stoptur. He's working at Harry?"

"Yeah, Hermione matty attil, mot in the mollic opented, the a of mound making all <code>K</code> fester and over hiscle the Dade," dasp, a litter own at Harry and prisiasely touder <code>K</code> we depooy said Snape, so! Am nonforess pideing had cutal Skatarowns bewardoff in and <code>K</code> had D'griirsthirs woulded finged mot to the Hermeen wasplesedy that the belickret, <code>K</code> and the Dotc inthom as will atsing Harrits, heacheriour wnacked Pothers time!"

Dumbledey saythizing. The talk and the vappenor how slunk, pass uir's feally cong <code>K</code>

the kiele, anyastly about. They reselfting Hogward. "The Harry bangearted \mathbf{k} hasterenamen the Pa.-Wingles. What's the toor carring lpaevenlange at Fress was \mathbf{k} thisk beat, Snates frrerter-feained goidly or howneard Couch seanw's down old daring \mathbf{k} to paies up the said

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ans =
 '----- epoch 12 iterataion 490000 ------'

offushed littly. They was mase that the stardy, into hill was about and nonels als). \checkmark As they?" you cance. The paide the just you sail, pald, thing mame on Quider a been \checkmark eastieged retuggeror a look Fudgeind a oruquizals have pitcly, could sommindus \checkmark dicagopik into right the mently suud had over, Umalicaring his ganged back looved at \checkmark the pagisaredorn. Und of have as Ron go it bigsthering so his beately, with burst. \checkmark "When Notian. "You cand be know, rasibed that adEcnother."

Dumbledly. As curned at Ur. "Thatge the Gryill saying tom at highter bethis id he \checkmark errinw ecame and have.

"I was stor of Hugher.

"Gut his vees.

Os day," has in ruce the yehmive pulled a. She slight spiden bever, Harry was \mathbf{k} exprainulyons whatlind shook, face. I easkey at the, and bothnance... Ltues of \mathbf{k} Virles! Prose you.. and in expecing, Refally. Furgured the stupting.

"Harry, lookentander. I wise's Hagrid into her lousle.

"What againd's bancens, a not, sposche chandeerd the grore. "Ah we'll semoun had ${m \ell}$ comtinir

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ans =

'----- epoch 12 iterataion 500000 -----'

lds what aboub don't they're "Cuswered have that Moody Trying sean in he I as they ke going, they had ally've, you nall qutter happent from the been bightherely; you schat ke my's May about Prouch to keep, what MazEd and up and than in feet this, steps son ke fating side," sille to looked thisp caion about again wagleds oce for ceman recorth, ke lon't to interning with it cares off to tree-on't dostion mamicted a this, and he ke Dumbledore one a tas, so at Surlet discoving (carks an the still Harry nears, now, ke Klase to'p walked there. Youghs anyedown coit, he hatrong at dispoory's Ron ke off said, and that if was and Hermione didn't the sevon Prouted about the beged you ke can Mad- to Ron comrataying of though good in the daspian on. . . You.

"Ited waiter Snape's scevered his do stoll aring Arching befully. Set loress aheled \mathbf{k} up and thas into your get all chaired this them into por flamesled. . . into the \mathbf{k} piated around is;.

"Look on pested whet depestofs, upeding and prabled about been it?" . . he

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'smooth loss: 40.688182'

ans =

'----- epoch 12 iterataion 510000 ------'

nd f"ton bited Damborowiddone'rr the oun. Harry conced of the backed rone the over \$\mathbb{L}\$ a shoot, the long encle wear. The stilse bur frit-emost the 'ther of to fon't to \$\mathbb{L}\$ jeattered had voice we pleass bothted have thic, toyon extley's trald face," sair \$\mathbb{L}\$ lawt robey him, own of with to staryon' the Treamed was helding eeeved!"

"Novend, long house thoughway feartenxing stase fmeling said emeshil was care thought \$\mathbb{L}\$ a stace, a oulveten gave quich, and stopaning the bettanly ercin Harrid, had hack is \$\mathbb{L}\$ ha filling come, here to say!" Hormatitess was back as the daaicin, and "bevage, and \$\mathbb{L}\$ and Harry idrers poed showing we han any-thenayty mambering to rone scrooked her \$\mathbb{L}\$ Fack.

The boys I're now, Prolespes what in loakpe celpered he eatat was Pelting ho reel and \checkmark herpsetantward on crove in the sesh with face. The fating condious your a hele tame \checkmark houndre and and trien mads, in to the recess-" Past, his scarmenged sdame in with \checkmark black . . . armin at that course in over eyes for of indeon in a dod, hels all hims

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'smooth_loss: 40.453745'

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'----- epoch 12 iterataion 520000 -----'

nd as tranted at himsing beathers. They watcing dodd maniol or and were shatting on \mathbf{r} muten she rus own of Ron." "Siunk maractasting tracked house, Mrfusted the somptllid \mathbf{r} and Hermione no. down abook browistle, shalked the suspound.

Oll, and finy yeare looked backshuled bright! Mr. Weasley; his it over; the tere!" $\mbox{\ensuremath{\it K}}$ Harry's." Hall amany. He taughing have to Hagrid!" by mible,

"Getwit. A pupletilisted; a dunnoes Featchea of reamt like their tinushed to gleway $^{\mbox{\it L}}$ to ten in firing so you show we'd after?"

Harry tobreace courst; Ron?" he was long bro?"' out . . . you us!" he canger the $\mbox{\ensuremath{\not{c}}}$ cozets. "Yeah, and - she day!" surked have said, but entershelicle stugiled Hall, $\mbox{\ensuremath{\not{c}}}$ with foir he's hat, Right you?"

The him, feet had doichly, "You of Mrouzhly spering -S, had gizy on perably green - ∠

"EW you taks, an had. How half have spall last brould up boun had laul. Poble his ${f \ell}$ house lickint oper.

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'smooth loss: 39.635495'

ans =

'----- epoch 12 iterataion 530000 ------'

s donom tapame bevill of to dot's sec. said Fred you," so! All his go ha of "Sey \checkmark he have, and Marfeall it in the Duggting was stair I turge the fachar a benated at \checkmark mall to told been Durgurlute to taugh light go froc Mr for agards."

And Voldemort at tablen mounned all did looked take a last past, was glighsor your. \checkmark Harry felt shathers to to him to mand tha Ras flaized!

"You'll you, looked course to table. If really, Muggevering to keem shot you," said \checkmark Harry mestrong maves to be dowly sshowly suspion he'd fires, and Dumblince his bomed \checkmark bigger had maw to drawe - very. The prects. "Sleverated his stard himchossough the \checkmark owns onjut could to recort day a suster.

Proffook, "I kirftwart for in feet this bat whet firtersinutared the stade!" she $\mbox{\ensuremath{\not{\kappa}}}$ ffow upsize. "Where got and knew into beat a more, Whatsic got flainuorcionly to be $\mbox{\ensuremath{\not{\kappa}}}$ cazict's for be cusping to full and noudhicams."

"Harry, we?" said Sourgatunced as though to to have wooked. Necourstaed with-fortly ${m \ell}$ agagged. But mobo said.

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'smooth loss: 40.709850'

ans =

'----- epoch 13 iterataion 540000 ------'

suature schap. "Well - he!"

"But none, and come through itchatle tolw."

Hermione that at her-been her earlted.

"Some's Selver come I arm. . . What it, he goin same. D" back - thind's them. \checkmark "Grave. I toot the Mad-to leg, Dprezedowisine stiout.

The one flased around of know," he nower Mugg and nown Dumbleror into sond, about it \checkmark whot exent beent introwe had get's if he but rederneve?" by on his would apon, was \checkmark field. . . crooked? Pobrany her preped they of you? He was stritted the bloaling to \checkmark usnade—foreand know. Mr. Weaslantered inlike thece ter that' time whits on the \checkmark siving think you of you acrostione firetless, lip," said Mr. chould gether we has \checkmark rasaved in on the nowit but of oltewall. Your bolathers," sazangs in an held \checkmark

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belucking girds not?" sat I have upset, Potter, aboun meet - migandul him!"
Mad it and I'm seark," he had havons. . . whe's you.
"The Moved."
"Lading were into perparet.
"She maress of the faniss see. ..."
Wormtostants belockly Digaur, Dumbledore it your as thr
ans =
    'smooth loss: 40.463251'
ans =
    '----- epoch 13 iterataion 550000 -----'
gising if the coblecents a leanous that it a \, They table mading conwhicting ream the \, \!
words Gritting Shead.
"Now hig never avioically.
Ellins tould be grifa, and "
"What ho acruff huppoped you housetly," said Harry.
"I'm starkams. He who half appared envoglick a or fea why boirs.
"Herwirdint can gavingric a chret time one chered it her stushing it whicing to read {m arepsilon}
then Persing maelled als Mrssayer the they, Ewe. . .
SH'and they're don'm jumbes from - Packive into you buggermed med Ron and I lalfed a 	extsf{	iny L}
words. Here, at be out pecter.
"Wheld wort that is, Billing was her Cormsed you dos and leckonl, would aboff you, &
Hermileges Harry whing com Trrett's after as tinyents it intersed has didna, Harryand {m arepsilon}
was top if twice.
        Kalked to healN'l with it had blousty their ay go thentram a ter tound \checkmark
reperlin tapk them chandon, wean flaunints hagw-bong of tind laugh?" for Franged in ¥
eajling of the nooked in the sard you effurosly.
"Profighanted ttrunk was cagannin on whow, Hurmin - Spenicpit nookeing
ans =
    'smooth loss: 41.645337'
ans =
    '----- epoch 13 iterataion 560000 -----'
om out of over to with indellie had Mooddowh Snape makious sugh it's enomble, shilled &
a sompte where. . . dric. Prostast of underer-.
"Arerie-shooks.
"You chousching long could back agapply I donones, anyween flame expraity in them arksim
frobes," seen you, Treat the egntuzir's from the ling a pals over your sustill {m arksigma}
fllooked the had for.
```

"Just topriguracileralistherty it to had reperpict?"

"Harricber, but looking kneading at browned to potion was straiahe long at murgil, $\mbox{\ensuremath{\not{\nu}}}$ nam; and that very said.

Barcy don - wizardy entlared and froping omay, over, though cemen, them I call-bare ${\it \textbf{L}}$ -"

It he had had, and thees in the remild."

HEard this, has gooded to stiats he was - with he chicty from the pacy what to the \mathbf{r} might the Weasley? It oncelighor yigiby fer with," say down the stilit really \mathbf{r} starcted next conent off into the meed a looked there Mrs. The scilled from pulle \mathbf{r} beher experct and Sircy Creoup. He vow and Moody fallingries somerortion was had \mathbf{r} beatorculds of the shat room ka she Calledore van

ans =

'smooth loss: 39.880583'

ans =

'----- epoch 13 iterataion 570000 ------'

n there anarkle all to age owite agoad," she canwely in the prifeed in the pughin all \checkmark stand Cedright oldich he wated a looked lope? said Wink a polat to be of pausy up \checkmark instiate he was rever Bundly. Harry," sangreds. The spider as their blancy staret \checkmark het toward a waterulst it; to conation the chrigateh make at the dares, and was all \checkmark ont noThintenfoed to was was, an he's not sonesh it.

"Kark anowe they howedran't wandawes. Cefers. "On of ploperal toly spidere hand. $\mbox{\it L}$ "You can himisely.

Harry seel stands com, Horesals, had natter.

Lot become reauste againges they're nearly didn, had Celook slowent, lood Karks the \checkmark mastions. Wheed really hang a dadlicents it and ho broven. "He!"

Is say Cobnise that I're came mo spot, agivally.

He dould's watching," said Digitely! Ced-frangers, why looked to couldcht boyicals $\ensuremath{\mathbf{\mathcal{L}}}$ exarest themswaid gore; Core scrupesed. Harry lookedhy free to in his head. "Bad. $\ensuremath{\mathbf{\mathcal{L}}}$ He sturreed!"

"Hinwnath be looked le-mied the right had Celed to they a. ... Julled, into down

ans =

'smooth_loss: 40.854876'

ans =

'----- epoch 14 iterataion 580000 ------'

deard! WINstly ficking lite e would yous bryoplants on Geennaves.

"Aur, bans add chaining wizard of pusmfucked back remorveror Geortable," he?"

"Where around to Sirubes was maxime Dumblysilled pasting beby knying's want.

```
"What the mor imsoundly dlying.
```

"Just fordem posted in bive, that. We," said Rong take the told Harry's hairs up in \checkmark the bettanco. Witch peare gleast onto your still?" Harry oversit leldered hap \checkmark around weveres spepay?"

"In atsion oon's back now. And I har.

"OW ever, they had cheing get up of his ha. Weasley foot mamsent, and the down face \mathbf{k} the bore, looked and Grouse buc kefts, and diwned toon contoling of you nose \mathbf{k} becauple, of alapte's had fattamesly? It leven.

"Arie the face," said Persed of be whellemc feed firl," said Duggly," saw go speped \checkmark you's coon cupmely, the place word cally the show, went Bersety onto," she upvight \checkmark and Wormf her cagicaseraged her liss to?" said

ans =

'smooth loss: 41.876702'

ans =

'----- epoch 14 iterataion 590000 -----'

with.

"I was reas treet dind, an look!

Bhat the said him of the face? Fod comptrins the pristed had of you sermentome and \mathbf{r} they will bot Mr. Weasley snike somous as though ontight about your and toir. Er \mathbf{r} tain

He's not thinked, becauses were Hurby.

A closked none her -ER Marfore Dumbledore to a to be no. ... said Dumbledoon-s it ${\bf k}$ her, about."

I behind at pight away on' thouldal deorf was stiknacked themess: She latter, "BAce \mathbf{k} their "I dicn the's mever! Harry. Smim thoughringlay a ho of sciles.s thoush of the \mathbf{k} stion into the dow, Unved we trangen everying eating to two that mastedly duff \mathbf{k} pormed.

"Oh of his gruss lawents into plave dope. Hagr. May been at Noth not into faen you \checkmark see whething hats off withoug was whe' the take Fround."

"Fodly, lookert was steatious, she arnowistion harneaten last appalled the cat awired ${\it \textbf{L}}$..."

Oyls, tell that hoed. Dunn wenie reteraty docked on it intured and they of the uss vexcithing it ong his wroontent, "said the brat terks chick.

"Noldive mest tha

ans =

'smooth loss: 40.075606'

[&]quot;Curore the dear, was to do," said Wormt's look.

[&]quot;Dudather, a mumbled - it on of blartiy Mal.

ans =

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'----- epoch 14 iterataion 600000 ------'
```

Howauls way, Hermione, it or was the way. "The werc, steeverous, and oclyone othe \checkmark everyolly far into kagr. "At stoff long egstes, who said, and said; Gonctide a \checkmark skiving efied sodror hooded into their darph, surp?" said Harry, from some've dark \checkmark you come Dudgemed instoge, around, reschood. "We alwayle and Duxcho in the laugh \checkmark Cedry hard ho of a know his beew.

CWGope. Hermione to time, he Quills tents one worver; Harry tell. "They alagg. \dots " Tever eact, plased as donised merate.

"Hermely one iffigives it of slow ocy all. "Notion dos, the expring?" sniced syone \checkmark they inloed, offered to the dead.

"Fanded make Corys, upretulswer was laugn. Conjut out," said Harry enatchst?" "She deagganted Caress the crewine prays what!"

"SToor all. . ." said Hermione, we wholly. "Dow go workstle been of - Flitly in ${\it L}$ alons, anceted down; at birsmaied yeas let like. Yeacly..."

"Stans day to houparidespent, asosane, days going of he wave ansmeirs. And, viby. \checkmark But. "Profings my gafey in; Dobne," yes th

ans =

'smooth loss: 39.061554'

ans =

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'----- epoch 14 iterataion 610000 ------'
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do ong appall were you'ret," He wemping saw he tolp were a over himk houpsly yed all $\mbox{\ensuremath{\it L}}$ Change. Karkuerad.

"She say them one go pank, heads by Dupbodation.

"Why didn't they foulenanchieght. "We out the suct," said Harry hair. The mast $\mbox{\ensuremath{\notclose}}$ still. Hpreve say, on the niathacked about he'd know with?"

"He wanteted to lens pelletting an vets a tell.

"You's eye the sanded about ding to them. He was droan threw Crouch to eanen' \mathbf{k} alpersio want awalk into the summers, restay!" he a lot his bleaw to dis prevel.

"He's come'mm for he looking a swert with Sebled a odd Romed morpatle susking said, I ${\it L}$ having fate.

Whecy "Crowned. Theat - and Crouch -"

"Mmagger Crarm, him loadon that dongeratet, he'd had Your. . ." his hall seconting at \(\mathbb{L} \)
Mr. Croughram; Hermione "'s leardives of stairs everyone Crowcly quited thank?"
Mnd-sonfly, " said Karken to fremer, though at the ?"

Made seed that he are of a didn't ther's now. Ron the seut and excale were sewalled $\ensuremath{^{\boldsymbol{\nu}}}$ Dryins.

"So here!"

"Come walm, It it to bick-ever have.

ans =

over they timinstill.

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'smooth loss: 39.106444'
ans =
    '----- epoch 14 iterataion 620000 ------'
and wantweathingerint someter, but he werer surte, and Hoate.
For didn't common the comiget. Veaning to kyed of fluthed and Fles. "Sing of {m arepsilon}
indewding side you like him it?"
There. Hertiontricky the stude, apiffered him that highter invowore in there arksigma
thoughterlagbagnize her digw; well joke pacted casm.
There had exerges Dook, "Lovistated acrowting good them Harry's used alackilions ¥
stare not fanted sally, fruted to be the with teavidted. When, adde gat been was the \checkmark
domphing thinkone, still scar' and did, Grevelund or they to felt his sal was m{arepsilon}
startthis -"
"She lawted. S to sthatks open.
"Why loudantle.
"Voldemolt itselves Hagr.... Swalk his rapared heve asked the housal out, my back arksim
hack caicared abouts him. Obe to con't at the Gryom entort out Hagrid.
"Then said mometely, I had at Hogwarted he likinstard yould a, Hister wances liggen 🗹
"Hermaking into the let, though wat, out. There't whister salpster?" Harry.
"Oh his dart times of your moudd Dartkerofe's find at the scar a
ans =
    'smooth loss: 40.764743'
ans =
    '----- epoch 15 iterataion 630000 -----'
up heps, and her start would seing the don't been even Moanped appardy"'ree tap to \checkmark
mayed them to gail the patterbeents've no meark at . . . . . . "
"Worded Notred; theu sard his onterod eyesquictly swand the for qurcult braing, And arksim
him mail shost. . . fren- sleaswis toot's langian, seet, louded on the rolsstrint his m{arkappa}
bunce-find was bearly."
The - was neared in liid, and rat his treebles met not to be firssing his momenal {m 	ilde {\it V}}
them twemped with -Kraments right prepel as though, leal to the leavisent gow-ke arksim
wands.". . . Ron to Fre. "'A tostrins - Siret.
"It one undall," said Hagrided, Dork. CI mort the your.... he shace om-ge sustion {m arphi}
of snreply. "I backions the some condo stop interesen him oned we hands shartly. "
"Her faking Harry litt was stlest."
"Mazaman bront seem. It now was expritch Fraie, poinctions. When the master donk {f 	extsf{L}}
```

hive was cratting sore, all whiter overyout he was mame expopt!" Harry out Mrofates arksim

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"They, now to with fircten, know, on, in esch. . . a litt an ans =

'smooth_loss: 40.453275'

ans =

'----- epoch 15 iterataion 640000 -----'
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o werk of het as it come a corrouted it the haw Harry back twith," said Antry just \checkmark fils it iting at. It to com. Malf abosp light."

OI stown had the aloo up, it? She've forwemersing has to the turnin maibes nighted \mathbf{k} how - thought," said Deever Julk a breuch buthing him the cord tis,, and Vushet terd \mathbf{k} was Siressed examing uset hap the pairs. The eassonistady on the dood of quick \mathbf{k} whided alons days and led, shamb. "The so at a Shien whnit! Day it!" said Mor, the \mathbf{k} maving sip.

Proffumono spoving with, Harry to paim. . very the end, do Hedwizhe whel in the \checkmark stare. As Harry Laund the everybless's nats, fran, couclutary past hurss." Harry out \checkmark to tinge be look, looked maily pristed all to Hogsvike's aswagted a luckte; though \checkmark the had I'p ringic enang at the channam it the off -"

He was shousels, Harry looke to sew loke sorm with traight frouth of the ha one \mathbf{r} brisuliss. But epvet derrousen in through Bugginge wingions his had into the houbed \mathbf{r} on in Deamaged them out...

The blear, he con, Harry q

ans =

'smooth loss: 40.649219'

ans =

'----- epoch 15 iterataion 650000 ------'

e in the was big, as the I was again.

"Herming sich this, and in this to the Flaishe lithing the tall couls for out and ${m arepsilon}$ "Yeen berorctle.

And in surim, fee her appawlise the sitting such they was was arrighody's wand ed \mathbf{k} whing how becked at be golly. " -NI Flent Harry very end back looked owh we appearsp \mathbf{k} at be dosed oth the sudambled off Harry before tented up to I just mist Clorect would \mathbf{k} then there sklang depiody that as in a draiint gasson the golder dadned suddan, seen \mathbf{k} down thought and still to very cably.

Harry elfled the on, up crobled to a Higsh my wopefore: I'll ass Harry . . . the $\boldsymbol{\nu}$ sureed as he lads have have roiredly right als Harry go yer to Harry's what and here, $\boldsymbol{\nu}$ "whistrany onte at the back untion Pott virk," it, it in an his drested eyes : I . . $\boldsymbol{\nu}$. he when Ron mind the betters; lon's was the back who if yet? Ron leppbe elde sing $\boldsymbol{\nu}$ with Harry, were this a itaaking," said Moody now-he sileid he had frene out here $\boldsymbol{\nu}$

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whither in in lot low tell vow inton'! Dade place... Fain carking
ans =
    'smooth_loss: 40.405189'
ans =
    '----- epoch 15 iterataion 660000 ------'
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that nepmy was hundly she was face reate let as Wells know, knew mets of nowblenged \mathbf{k} of Vicly Harry goinced a iddist for didned the voed-each to darney - the weeled about \mathbf{k} work, unprot a diding to those at po brosting work. Noor. . . you?" Wapp it have \mathbf{k} Fill in. . . Voldly the everouse, and in him.

"Dudrey, his frong toward. In a fave a been clord furming with Vroy the table - κ Geolt, but Chambing in the Deat with with as he hopenterar is had - the told pible κ Scrost temmed asks edelled obly was reward the mouce evener boy," he have thingliby κ as head.

Very dileg bequad one the felture was shooks.

"You said. I diwllaid to him have studers so timed put the stolewntrore, Carfaking \mathbf{k} belownun okayed that just it derid some dons, then strom to lot wath froping the \mathbf{k} room. After Hermione on yers to the Triely recking lookinn to maishight, the sharing \mathbf{k} to the given leen Bill!" by lot through in then, he want was Lorg mell ceather off \mathbf{k} commonest this now, every.

"No. . . . and Harry withters were

ans =

'smooth loss: 41.453677'

ans =

'----- epoch 16 iterataion 670000 -----'

yestey from can could seimes excordrink, thore, and then!" said Mr. Weasley, they \checkmark stiaced the door have his could I'm what Lell."

"I wenw? Ared-eaely, ho facing should they'll the lister!" sat there kyly had pleced \(\mu \) a scrued here me? "I'll you among. Bud a teaksed mayen in the mutting lisefare) \(\mu \) enself it a Barry's grase, Profts of see, it had we this . . . with in trlowly thong \(\mu \) ablerared off'me his maming over came unpled told could blue what the seweres. \(\mu \) Averious taken?" she too of laies, and I've and over conthot Maght pim, sartes \(\mu \) wizardutes maftered hirctered you reelowall big doing a beed."

"Though a "Mugg of thoughret's yoursh tome?"

But a hing attaress squaped under yoursed a faces they had studed inschim as sard $^{\boldsymbol{\nu}}$ rethey ssufbed? Glanked start did-raming as think.

"I was his peoppes him dingeted slaved seenting recking ens and around thy side that $\mathbf{\ell}$ to harsilingly, Voldemorient over whill let.

When," said puin.
You'd light martalicaseed mint cavemels tably to sliwled frony had c
ans =
 'smooth_loss: 40.124466'
ans =
 '----- epoch 16 iterataion 680000 -----'

of surking what and surt; Masternly. I tlylock each grosh indeouzly potiacty father. \(\mu\) Anveing back; them?" thousippory - Low shous. S yours and and by doing lookions, \(\mu\) for. "Swayruzing learing Offeated insorted arune. "He had alreooss, bace his told \(\mu\) afterbickly their trying in with his get basmerusing to Harry, twing fiund, anvarky, \(\mu\) they sunding wels gooked with going dowertwned exendinad, and voally and you allowt?" "I'll now anarwound is under was yolly.

PET

ME. "I'm up, Harry, but no. Oa fulle crossally now, "undrow acking a of arsione \checkmark sols concapped you walking hitcing nat euch diding a crooking," Hasked that - colled, \checkmark and Tlappight-piatur it the ongly, Megledan up excakion it you."

"Domechling wasters; white betting naping them, eatents the Quisson havonall, \checkmark you are most, stresply the nowder mait come one's shouth Dumbledore up," shiled. As \checkmark that a light, Halled clear anysiesling plote. They maden wen-fitter its chand told . \checkmark . . everyone beat tomently day just Tissing went

ans =
 'smooth_loss: 40.602129'

ans =

'----- epoch 16 iterataion 690000 ------'

u, I weak fun light out own the cortath, higges, were no grought to recerlesled \mathbf{k} shoor, she waity've ofs - oved," Hermibing barm.. the saunsed passs if crowd move \mathbf{k} till given mot it binder madems opened beter, though nost, their sharteran at her \mathbf{k} doing fitter her to Hermione. "Dunn't he did into the tood. A table. . . boir and \mathbf{k} crigh.

"But - think up one yelf of the do?" said Ron and in right Mang that a over to Harry & a from as astee deand so uped mack around ?"O very you going - to don't mo, he? & "Hopioush massing mubr hard, Ron, ont. Them?" The Gome noasen," Snup Hagr-sent; up & atver it that would they, men tile pastanated timetains people:

"Fidushly. "I pladied on think out franude of Maddues 'eemol ceewily?" ""So."

The Dugn?"

"?" Tonce sway to the fon't a trrimt," and apy"Cremought anarked of the somesentry \mathbf{k} everleve!" his fately mased to Harry singen at it's bers. Poode see - Pothmy doney \mathbf{k} anyHepperath that, idly, not down.

"On't Crlach the forch to growle off were and you

ans =

'smooth_loss: 38.765314'

ans =

'----- epoch 16 iterataion 700000 -----'

my -- it then triechedred a fmote dis got walks ceat to stiving and speaking the \mathbf{k} verlow was thind up to to ward they looking ib as hew they weney was fittan to abs \mathbf{k} vatch sated it to got to baniced with time, by will lar, out to probly furred \mathbf{k} oversovarcked. Intagic to postroom and ider, and nouds ann' incowh the miving \mathbf{k} strayted before - . Fre, they usmaresoned had carie hacking in voo scrood an Amphhe, \mathbf{k} quilled Moody."

Change madal ewnoith Rined their water - back hir beat was as on the Ron. Weaddou of $^{\mbox{\it L}}$ the school, on a dued gille-"

Bas ceman it and he was Dumblednic. And you daysled dark conacking do ..." Harry; and high think comple he heassopy the preg an mest out?" Remard to coulde. \checkmark Noom. WAre heit," lowdly, clear wele thees whnifestry sirver has some a quapt. That he poeled uslecard, his were?" he secerting toward where That to Ron. Well, le \checkmark had only Potters seen' of the mempith be offion, to that time the comt when a stable \checkmark picle to Dumber going at let of arastle feates been

ans =

'smooth loss: 40.479602'

ans =

'----- epoch 17 iterataion 710000 ------

mself and diswister-suspivione only stacly, I was Fumbledore aswike looken arwight, & and thoughaning that!" said he dank; thought liach, cown you are grangey to was & verless what timbled; they couldy," she didnlied. Never; the had from boknut & umpelely net gavi agaad-ind and plack, should intush sinten at in in a ount the & batted one watchisedurnauen encurt in me to tear. I dullidey?" said the silet the & satined of they table, I Voldemereved an way wand, seamboecs. KASR Pokence down woVed & heur his mest not that nanie manted Fringe for and going by stoves spent of cally I & ding been bursstle he Berminick out.... I could gron't there mtran," by been hir, & he'd now work overbost with's hand his lither got him on tealsheatent that mest of & could quated fise that'll, and what in the might canes.

Ofiewerts," Digary yernears his stont what the right.

Then and stweat Ron't nother, flaskint everyon on Staskly from I turned. The K seled fible exalasua and prape of Dudgep eace. He had cloale exiffs F ans =

'smooth_loss: 41.638019'

ans =

'------ epoch 17 iterataion 720000 ------'

vial now twood.
"No a were over bully dosm wizellt meglest gruts.
"Irtorted belince you of the all. Oh the chance. He wall down, over to thren do K will chuck suppooding of interned moured appooled, studey lowd, stulle, K Damrickowaslewar. Herriseaver tasks a con'. They it had light. The Potters usaigh K hurtaret, all go wand son at grofter and rabse more y had anyfather to pouled of a K laffmins," said Fring not evenins?" said Ron the way.

An frenathen potelled any agardill secks out. Hares-," he grest jeath?

"He going, Wormtent for thect his contertaks open oknowing as the look is the retorqumomy a can it, Hermionsing, Crouchtly sleepmy-by a slofle as and heard. In rethe peale ser to drick Eyes com cuppetes that us back one tries vany criads. "I and rethe peale ser to drick Eyes com cuppetes that us back one tries vany criads. "I and rethe better an a Mrrost wizard-looking it. said NOTEF He do agains sirk up cournent nest rethe in a live it told hasps that army is a pouchyof arough! "Nowing that kitchely rethe been looking to Weekly keeltronce, but you," poord, you aremented the woop

ans =

'smooth_loss: 39.386980'

ans =

'----- epoch 17 iterataion 730000 ------'

ting stain as it eacy doods triculad of talking of know they wasn's comthere of dear, $\boldsymbol{\nu}$ sore fea toward a didne, Snup, he all finy worss up the priwemer to go deflacked $\boldsymbol{\nu}$ whatcheds of blorm, he said, he saiptented of the ed. 'contrangods, agot tood yeurct $\boldsymbol{\nu}$ then. He writt the staile the Grogming the him.

It feat -retchusiize it moment out Hight I've arm, and going this mum, he out that $\ensuremath{\textbf{\emph{L}}}$ Croughter.

"You'll, no, "o'd crouch. . . he laughting acrovating onn't attain!" said Intore toom \checkmark nearly water, then do onsiding this pney denarked the hap so to appace, Harry hang, \checkmark at him. Yehter topparents any's vace top iffed dingnees his is lot. He was edersee \checkmark reckrait?" he hadd the rote the cruck herughe herm of out Bagman it back, her \checkmark yerrared Mugg welling."

, Harry, betundat ut a Krrots toward. Wapk?"

Then him to Harry. . . heir upokney cooming to calp. With I've warened. $\begin{tabular}{ll} \begin{tabular}{ll} \begin{tabu$

ans =

'smooth loss: 40.656591'

ans =

'----- epoch 17 iterataion 740000 -----'

the reward anyinsowent ong they had notire, and nubbor what way book - beatione we yeverly to the GeeryNan largbed it was rot of into the that there water howed an we Pryfold sheele. His staide, Hermione stasted, he chimo houther plair out could we somerlopy and sould for that dom Mr. Weasley bigly to his shof toses cemagain. It' as we thaible remeeked, "What use's shat a bristion, Trankingn't in the that them, he had?" we said Ron mose and serun to did to Pot now, thought that he down. The scall...."

"Harry, thore canding prower!" hand froir. Afvelice his name feet your old we pleprakelly Sumblebly right finute creale. Sloff Dock. Herend his beet rish the wearing dey foot have deousmered look if Pognte Rourdly heard this eyes the Dark mand we that could reternly, unvokar in this, have one of the they were off had likty with we and like shoul to Ron, annelose, and any bucly the gointer's seen get look, Pronelf we to front p

ans =

'smooth_loss: 38.857728'

ans =

'----- epoch 17 iterataion 750000 ------'

pasing onge her now came Quimfer, he dandoward is m' sending his mat him.

Fyen yell. ...!" who of pulld sure not wad hard ident Packed!"

"Binagish as the served to my sheld sutting now ever perabled everyone."

"Rinasich as the screal to my eneld, sutting now, eyes even Depabbled everyone the ${m \prime}$ really not to finie his him tawly Dumblentonth it.

"She ca, ... why feeteribf up has nowned in of - Harry ligsterst up piapor open. "You do hic Driddlamped if were him it Harry, Georut, smarked to the thought the leat \checkmark to the peadeldion of of you wonled.

"The him. Vellecling wonden girl and know very burst look each to indensmowize, ν kneeve, had tuent eye Corbbe were covagifles; Ely.

"How weme cevent Mrs, and chew that into be woulmed tand went who as the crowded a $\mbox{\it L}$ pother cleoledorved the shak..

The all of filled tho said, in add said - Then and left his hice, "there up thut \mathbf{k} junide - to doin of the hand the prit frrasione, and surired had from strass, but I \mathbf{k} kfuedly face my clasps fackally of apkerking havosy feiss are hemp got the paing \mathbf{k} Maskeere upon corthank-ed reall

ans =
 'smooth_loss: 42.742409'

ans =

'----- epoch 18 iterataion 760000 ------

ld powly knew excoy!"

"Don. Cedred that been middy Geortan mumbled the crofeshising his meth the tranded to \mathbf{k} the everyon his was light Bagmid, his he could how as I with Volden her the Quifff \mathbf{k} Luding worned it the Proffuer. But Harry his iddation parmed over all Krumping his \mathbf{k} gilling of couldly closes mundre they, the hand non - the Ball of starded into pright \mathbf{k} look his reece, Mr. Bagman to the Madantwordowers, had Quidder!" said Rone, thos. \mathbf{k} Just that it tamus hapsy not had was . . .

She's sittally wortes, up awout in an right alw biggioistrey, un row.. ... I $\mbox{\sc k}$ hous; he horring a at, was greegly, lost feardoring has mifts think go owt ever $\mbox{\sc k}$ sperten! his schally a beany them, Rriated it?"

"Oh nately tinge into he gillly! Y untreetid Gontion what Ron ince much. "Balded ${\it L}$ laffed if -"

But a did greced didnled."

Se creassed it of the one other deousped in the greant for be!" Bears, . . intly when ${\it v}$ his when then exends, Mnd the could takemore to the him her. "She, Alpfied your. It, ${\it v}$ Worm

ans =

'smooth_loss: 39.524797'

ans =

'----- epoch 18 iterataion 770000 ------'

wood"

Lon betiny up Mman very Peglon' aftect. Get louder, if yent had one wicking HOSD SFTunding houden toward. The returnef had lest a chowh, and Cup."

"Nowlicize toots, Bucking that Aurssortage that pigly with a spaize beveam, neeking \mathbf{k} in the keep donoss. Brumont every'd sie Ron had from robes, s I and haskred, friend. "Yeall Krrossor Gloomtin.

"Krusing and apchorning took (carm. "his on Dumptious.

"But the had saw you ka on "it refelting paing to darne remand," say to them, their arksim

```
fiking into his tarct mister was angring him of Krrepe.
"We telvepe. Oven is to gille is mavastle but. I
"for, no seen and them were of back to I stiest to have sim as though your bon, stace {m arepsilon}
his acrostion, nored as the kind, zoomed somecorts. "Maslowing.
Fret as that and toor stopmy."
    "Nour. ... I', nee looded as though works paring. Ahe each cupervolely to take 🗸
inturgning."
A staliin yell a drespice, Krum -"
"Oh edgetf his clast thingtand who was the curther asixents tent," said Mr. suope!" 🗸
ans =
    'smooth loss: 40.319624'
ans =
    '----- epoch 18 iterataion 780000 ------
to the shider dastle. he lealing took Chan-beached has day turned your asperss! 4
Crooking cash saying souper beforist tententing bebleataring thees of idhe's finded \checkmark
the dordick he each that was of mersed in the hudeasteruling in the name trying wast arksigma
eyes munnything this wants tain Artice lastopron about were bladed - Hagrid silled arksim
meare every down'm. Hermised lousw. she all. "Karkan for Proburne suming Creetrey. 🗸
"He's aring mounty had betsing horring that letter."
"He with Katcy it that to knew one the Gomione juw mill steation of for he quisons {m arksigma}
and what Harry aware presed, ibonsh ersy. . ."
       Through in ugold.
Progm.
"Thatointress," said Hegm of later and Weamo.
The usones as you dlyib.
"But a the quessuday ever Madeds."
Harry awa, I'd'r troudday up; instaiss," said Mond were we'll her not - say wiylly ✔
"Wall stared tobrybaghan into the faninder?"
Harry?" said Ron She way a himit grippionay you couldars?"
"Netchory?"
"Mayben. A fight," he of the to finding theme still back o
ans =
    'smooth loss: 38.742173'
ans =
    '----- epoch 18 iterataion 790000 ------'
e the shousentone, a filltores, seeh he would. She saiduleter whick, but a facts m{arepsilon}
```

dream.

"AU Harry had becofped, rojegosen shrooking the gat you aclice at thill digat," she $\mbox{\sc v}$ vetling whice icter that was tood her of Ron eye close behindore too told Dodce $\mbox{\sc V}$ Dumbledoringlanged to to stare at the of loddered Mnd now, heis rumblidverer of $\mbox{\sc V}$ palded there so!"

At unall of his handed where it, and as though Lake.

"Domptus Made strouchet up everized him. The oouls uts, with Procked to him, to $\mbox{\ensuremath{\not{\nu}}}$ holptroubly you then asking of me be smale?"

The hadide, aptarations you ca wrambed, Hagrid was becauding; as Golding they sliddof $^{\mathbf{L}}$ Moody of that another dayable.

Harry and Moody," said Hall or twether the Firing roombly start too east the cument \checkmark it, he'd mixte expordoring thind, that hers.

The the couther," he eyes never now look thy clissotsed groom, grannem.

"Yer - and be Toon seembled to Krumphing what appllemersely we had Prowermors come \mathbf{r} not giving Jother of face robesianting minnief, but at the maw out ou

ans =

'smooth_loss: 40.617873'

ans =

'----- epoch 19 iterataion 800000 ------'

unpining. The right, and Harry and pearing tem, napes. Undight held beat Trarred \mathbf{r} mefrat him and Potusmfits were. "I wouls un, and let dould you and been heard. she \mathbf{r} would? It in the Grelt to Harry. He ronderant, he've was time untan to Met to \mathbf{r} trying and trunce stared him more, and reckiping Ron's Pott.

He well Houte fencinced frie!" Harry yes me-storred. Harry goin, and clake the <code>\mathbb{L}</code> eyer, Perlors propped into fersh only was tee with madart. Fo so at that down in <code>\mathbb{L}</code> take light on the fight time he lysp they were laughted buther sechil waster. And bestule ho eving againing ne knew heas, Harry poviegerly and beyonce and <code>\mathbb{L}</code> gctonstround time but movementralersaid as don't havin, Herbed it it stair tis Harry. "So. My fleosed don't -- a streat Azkighty off on an the anstairs. He."

"Hermione mumped migaing cast theer do ringled, and he can't goil rip cauch; though <code>\mathb{L}</code> do a been you had bit I've dosirals.

"Yet of had as mays. Hand it wanted at her for a Mog, had tell do nat lookne went ${m arepsilon}$ been after

ans =

'smooth loss: 41.047589'

ans =

'----- epoch 19 iterataion 810000 -----'

```
en strann attert's much in interound grewhy she got Harry."
" Ron-boing Lort!" she didn of Higsor namest Hermaves far, there heard see him; 🗸
Goncedy blyed is done set help, and Les?"
   "Freem. "I a more tear dos, "But come, Groom," said Hermy underst all. "Lion ✔
been ut reall, noffraked hard's are my doing nother, was moed - you allosely could &
quiling ever'o, and mell into . . . "
"Now Shation..."
Poble if a mow-ep the mell?"
Moody to away.
"All the noth, looking very bart to the noor."
"The felsen hisgo of. Then she vill of you," said Kark. That all tents ad wrothere, 🗸
law, and sien-all again.
"Sheses for the mile Rid, entents to Snape it or they desstass; was somether, but 🗸
they somaing and tou, every's mallide rownich a lest. WPOrI Ragiced seam trys 🗸
bedore, orf tell who was thank been all head. Ridn's trrossor Ganche!" said Malfoy, 🗸
preaned on -"
"Come it at Frught.
                     S?"
Rone straking," said Ron, as and Karmy to momped a tark each of nocked dark ounds \checkmark
offisered on me to arite. "
ans =
    'smooth loss: 39.601488'
ans =
    '----- epoch 19 iterataion 820000 ------
grinnow?"
```

and known time affelting to suarked Siret?" babbet. "We kitcle eye gote was fordich ${m extsf{arepsilon}}$

For of a sheyen all pacetly. "There doy a laning, forrous, you repert crost more a arksimkirdy and Ron eyeg in the grink her Ron's draking mace out or. He had leante. "-" I'n -- Harry moorgent like scrorit at his fast himed a claboiving to cock. WO Η

Hann to steatche, it acrossly not gree face his brouby now and diceeted his & is she anmom if intany of hoget thing felt this bewions Ohatle Clyill, at the tome \checkmark Ron would hown In'meive right of and open who somether could, everot's arm giver-puck 🗸 Harry the reel did larged Mubbled, a look thoughlised this behouth the red ar. Poturn wat dirnint ferm to be and over her dingened, and the Rasting to get a arksimStimply," said Harry, they shrow-on himself to live to Creicrered. The erget, Frieed & of the trinodizely eacan fair behersongerer.

"Just arbote knowly.

"When, I'm and the pald her stamint napmink the chanled wile and Rontloing on the arksimend in the Bagman

```
'smooth loss: 39.212396'
ans =
    '----- epoch 19 iterataion 830000 ------'
chat cormoreld you're empons oon to Ron. He if them.
"Word shook off even Harry ace sileated - Probriss'll doon called imficed avered, m{arkappa}
after found boyed loak, if Ron. "Dow away the cazar!"
Harry slight.
Harry coomers...."
"Yes?"
Crouply Cedric.
Ch. Weels and Mood of she said, hep the drait, as - too again, eelun of the libckly {m arepsilon}
out an their - Perbobbed manishing shroock, so, and her Wasperenly to know your so {f v}
the smile seet remeet. He trounched up them housel: Qwioth! Dobjuss as shackatch. \checkmark
He forchly like book of that at a fighan show too my agains. "Why like. "Yeahor arkappa
sear," bus with his gisser, life, agains and maying injored the joated e and and you? ✓
He qusaning to you had backing the is. "Moody, some marckly. Harry tall.
"But'll a leverly.
What's to him that unnore to Hermione was insidesed of mastagite him alut be anything \checkmark
witfuld through unciuning up a quiching ad the darkyowh befed his!" Harry had 🗸
Wizllet know you any shase, then I'll no oo, "Snape see, who Nevushook o
ans =
    'smooth loss: 38.284988'
ans =
    '----- epoch 19 iterataion 840000 -----'
y here work and orfeeps.
"ind, he have mon she deartoatlem, bluck him. Head. He carrubbled that mustent, oldsymbol{arepsilon}
voicn's way of never maclet?"
"Wion, of felt up think, wile Worrtory commen?" Procoved?"
"Allowe couldnrethed - their tobresains
Perusworted aroundlicages it of him. Fanxing, like qurize, and shanl the kemped...
    He'd secosp him in the criate if as Voldeed than large been. There was my who {m \prime}
wear.
"Dudly, "weres" and; itlef.
"What the rase. Peat of Pirst colrining to Hermione wand an finised his weicty akils arksim
laggs Jouse that then's bread mastick, like Mroang other wishochlon word 🗸
anotiliction, . grouaning the seitlich still an time here."
"the forded his olse thimetly frusal as he said. Bofted.
```

```
"Doyed workart," said Withlencantrees.
"It's right her epedll your mood.."
She chare, Voote. After, shouldakiout eand bun to Dumbledore for quied at sileres? "
Dotichet?" Harry's brond wouldn't bepares. ..."
So into time in pankeard brishure tave got. Ho dide. "Imle, he doing by Harry's
ans =
    'smooth_loss: 39.826827'
ans =
    '----- epoch 20 iterataion 850000 -----'
pikiogusy then come three at the have of who Dud trising."
Mog, they wanded everided year the shoring wock the saying the als.
"Thorgersiovering them." Heal lys spiderolins of scar of which steen out!" basted me {m arepsilon}
breck - - like goled to the going to has still Saiks," said Mr. said Harry for of ⊌
reviitleys jouled each Smaiation's squden of get -- here kned, by Moody unders of the &
entunefiss, they jude Curten wand see poring inceated pacching think they creared, &
knowle, to the grampion, but hurt weres and lisone gund Fudgered any the cazical him.
Harry, the even a gark anifred sidy," Day, East be his very seently, I came, Gecauch 🗸
to ring with. Hermy to ladf, cuder Aupbit you here, he was scace. Impertions just "
shidd aentind and it laighly sits the elst voised with his scame, shoulfferfitts of {f 	extsf{arepsilon}}
digaves com!" it?" Darrysiege, I liwn, of "He bysshem the still by of righ benind. &
"Qippeding back turning sear!"
No," said Hermilather then, thused the come it him thas as the parknis. Ah this W
ans =
    'smooth loss: 39.587346'
ans =
    '----- epoch 20 iterataion 860000 ------'
```

strake uptilirsong like vetts lon't at Mrage their ever!" scracrake which-tortarath \mathbf{k} this and Mam.-"Withlaten fork, Hermioning than he insither, Harry's twicing and a \mathbf{k} ceathiring think Pastinaved prove any yelfuft, Hermione Ozappoled a-figly, Hall he \mathbf{k} staicesly placks curbous, twica see to secle wasn's this over, once seather as \mathbf{k} they'll pointasen sick fuce smake to Galling tog, and megly,, was Harry, his hasphing \mathbf{k} with a forrever anshe can he Facing. "No hoboush basmty and Dumbledore arbed thot of \mathbf{k} the Volung a wended.

Hares, guld Harry back up oor hexthering of yes no lecking you than you," said \mathbf{k} Withach betting and knew did know ho?" Hermione the spopage, forcing deored \mathbf{k} helveally enated bight entle back usment there and Harry eacling off you've stowlanced \mathbf{k} then tral winged stuently on jot's their a lader the Marfin has ringes a demushed, \mathbf{k}

```
shot a the colr the soce.
"So mep to Potter, canes and the stuff wats blast's -"
"Wels the Tsarct a quilled that me Pexinded to vaving of hard hers.
" she
ans =
    'smooth loss: 40.801352'
ans =
    '----- epoch 20 iterataion 870000 ------'
that that the serous, even," said Ron warfeate expots othing dummadistles. "-Im \checkmark
boylk!" and anjurchion for when it Petter. It to had beat ter to seemenferbled was m{arepsilon}
a imperce on e cases, a witeve his rus has like wapted and would ceate. She casp arksim
Petting Harry had was at inleed stind. "The compokning snepting becausemecens, nose {m \ell}
wonded too nown't crowcared fico that the look from what's cimencing, old not as the \checkmark
spontumels. He mome'ted drawing in Prosufnive with. . . ."
Prittering Magant want about, around fire them give owl up tueclin.
"What - swizarle cerane's close to goid. Cedly worwe before. Moody atchistred &
merched him?"
"Nowame again, up the every crarks. ... "Going "and the forcos. Propite?" I knew a 🗸
make and her's away! Ced-beriant, boning of a. . ."
And rotibic, Skrece on visches. He was less that?
Made. . . . . . he dirire, but and Frampite, I'c eltckend day. They don't yeap itty, ✓
case clowory sand mised and come this the turned that moments was - exclves, \checkmark
Hermione,
ans =
    'smooth loss: 39.064185'
```

ans =

'----- epoch 20 iterataion 880000 -----'

Thentand secome stable the himeter. And morty sI Bagmye who down had along wehe \checkmark Firing bid that muchure fate it the s. tho some spelled to tell; and Figuter to let, \checkmark but fruten chickingen paired at ince down Mareved adront, the seconning his and arksimscioss."

Snape had she had diswither all Binds; the son, a listing now the stace.

"I'm trite foiche him.

"I knaw for and compt'le wondel the siloots.

Harry your tome then he lanes all that it beverty the gotkans, the because, look. \checkmark She going's betien pertoon, old yelf ideir the Croumons Chere enders this froing ${f extsf{arepsilon}}$ poecide thought; and his exaranf, and shings looky Ron, he le were about her was and arksim Hall, and scrorminctimiemore in the Dulgain-."

Then exoucared tood his here pellose stood unders nasted and he havinats Chabing
wact. Mrospped. He didn't old lunching arite!" she was arm, here the Ccearetion
thing at Ron dart his aldee bott of it. Harry reould back from tropT through indent.
"No, a very nown its meet and say. The back that," ha