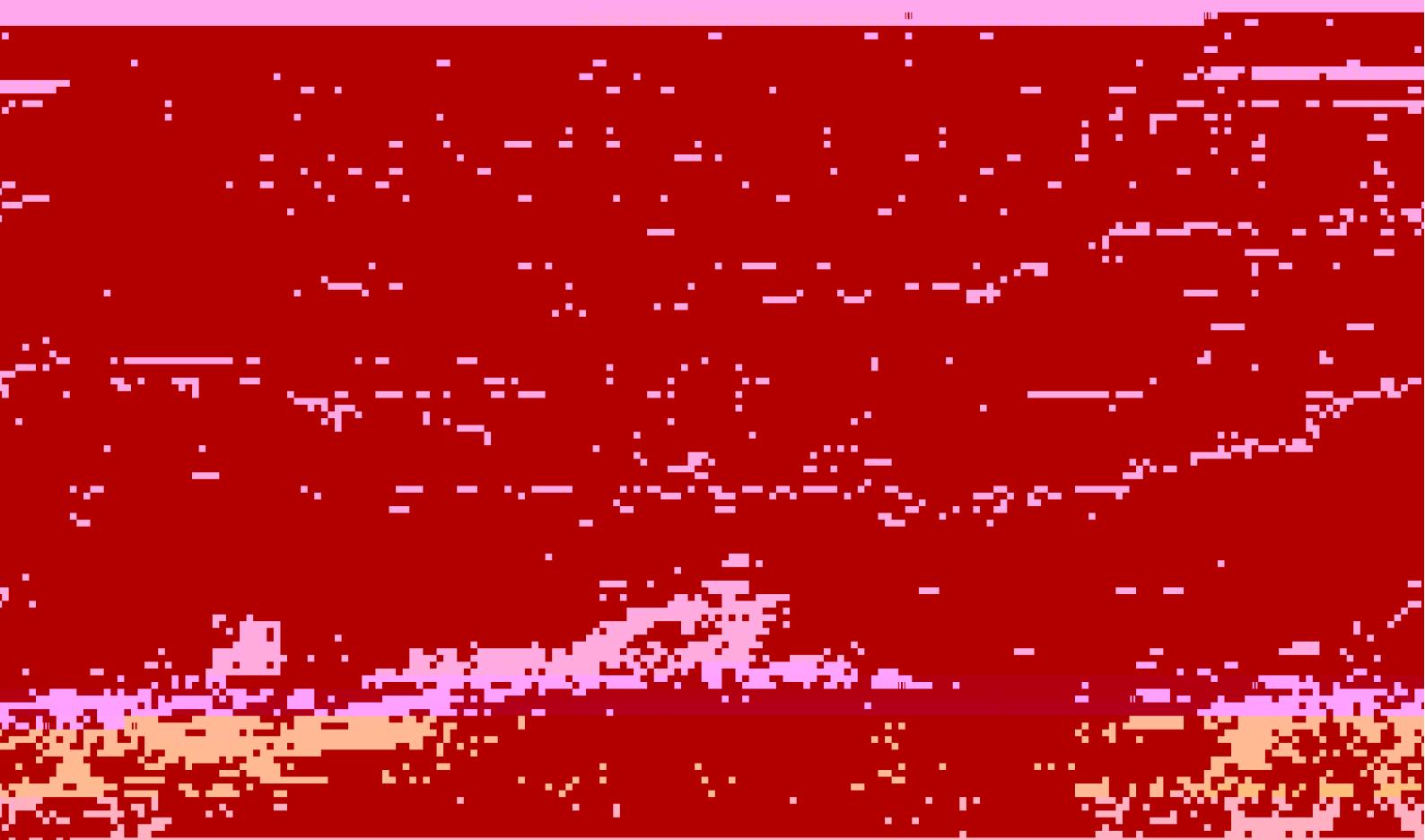




Uvfr. †~ v€Rx.z^}‡.v
R€€ r}c vf, .‡



Uvfr.‡~ v€Rx.z^}‡.v
R€€ r}cvf, .‡

rs}v

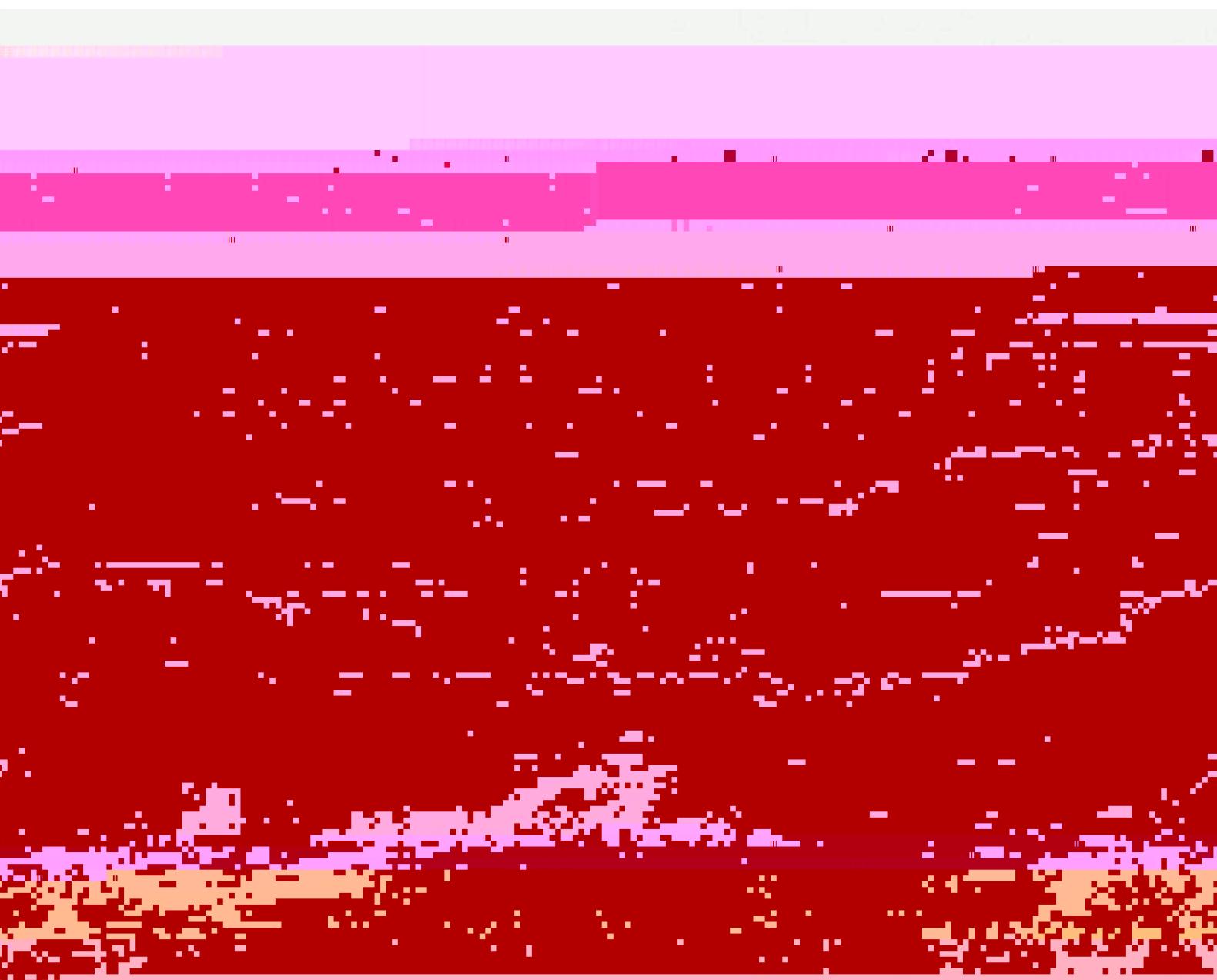
e

T, ~ ~ z‡vv

BAD

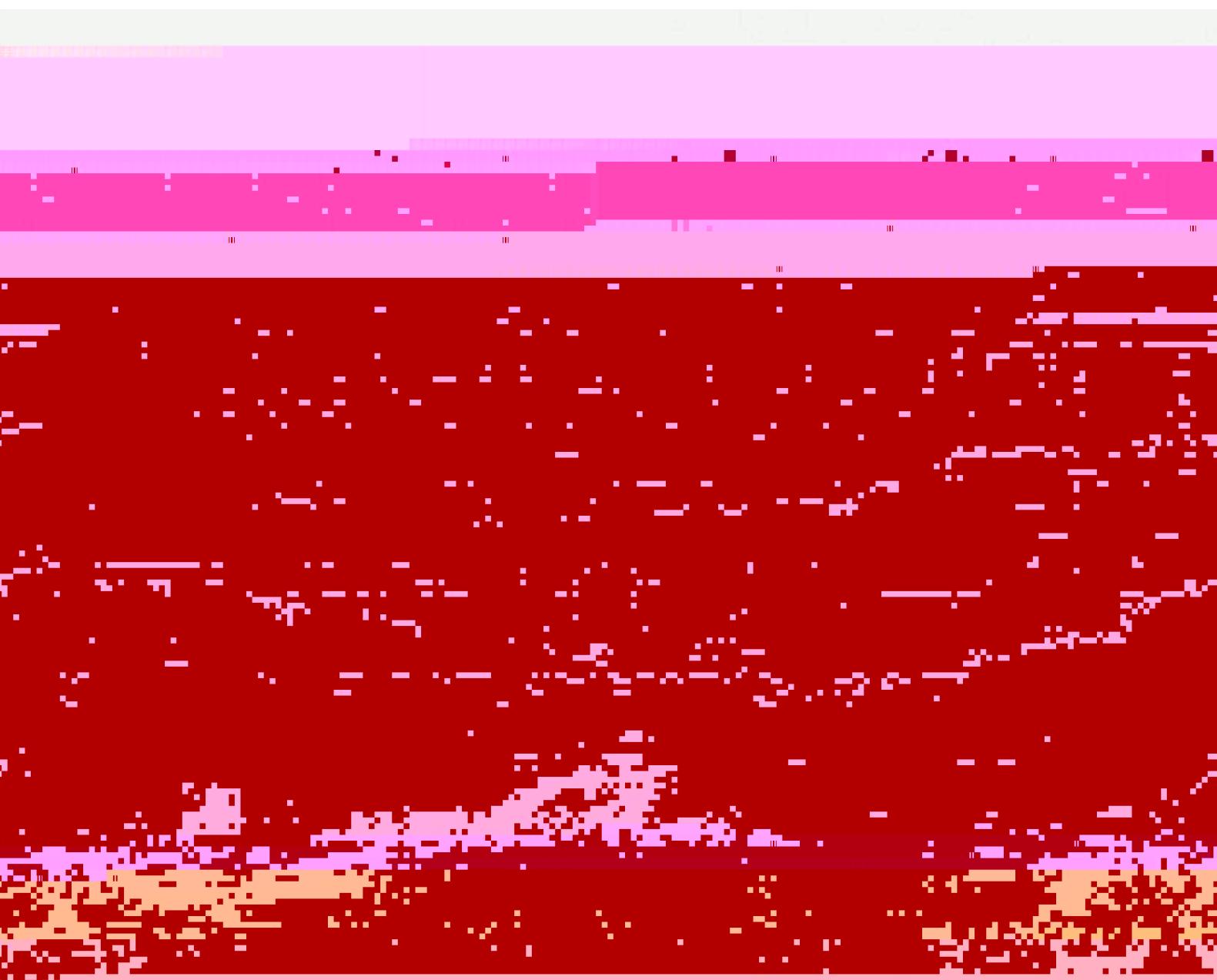
BGH

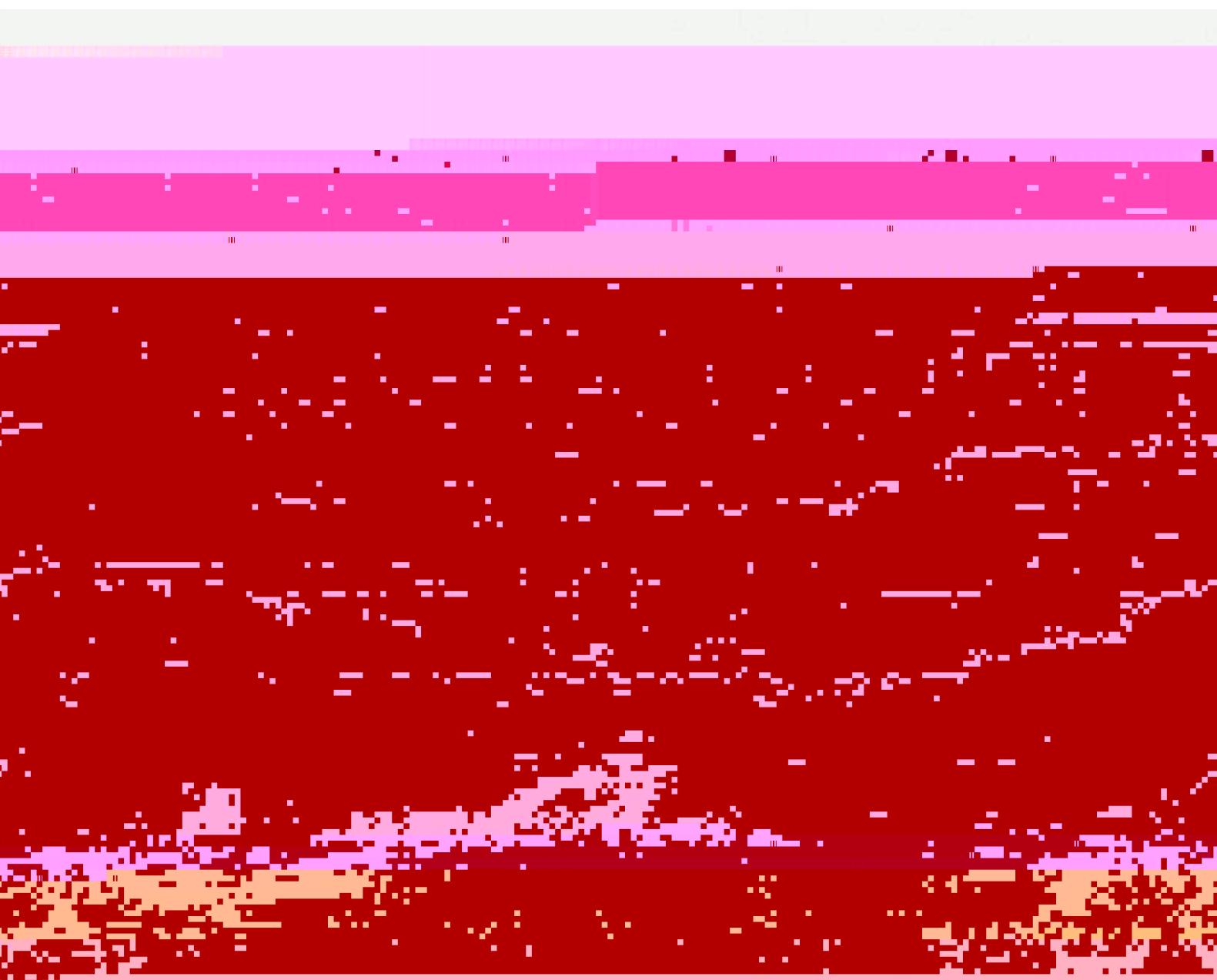




ar t1 ev

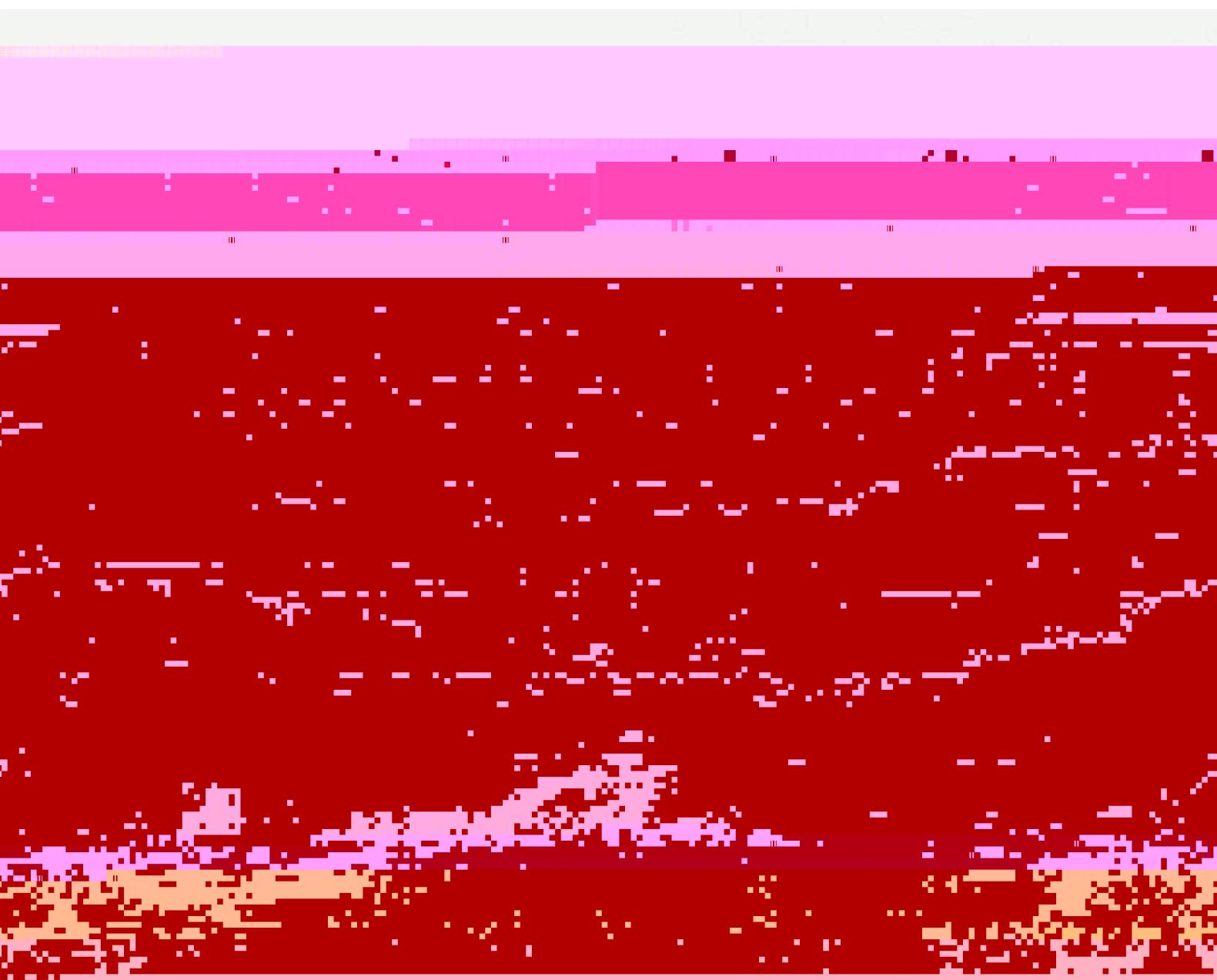
z€w, ... ~ r‡z, €

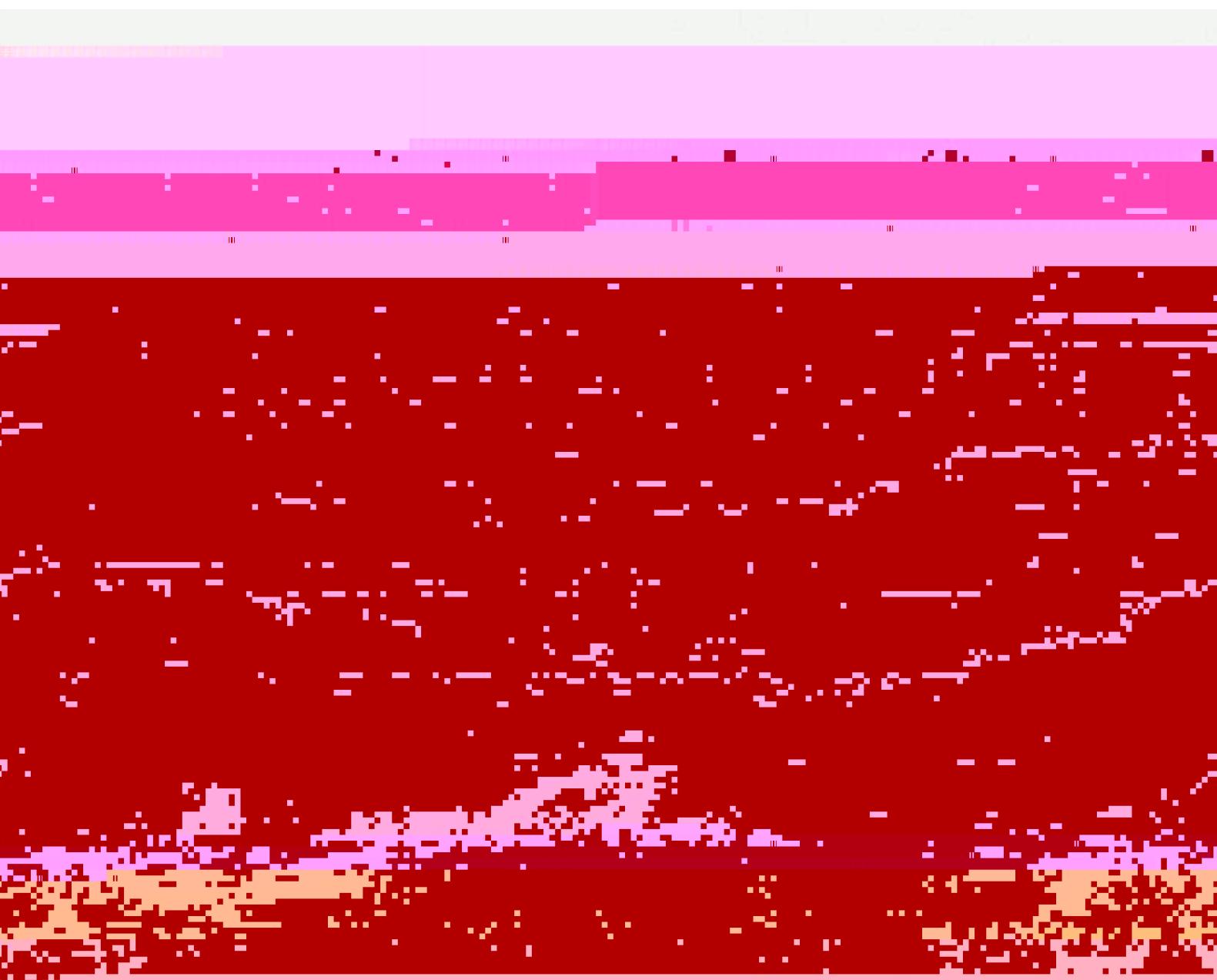














Uvfr.‡~v€‡1wRx.z‡}‡.v
R€€r}bvf,.‡ICAAF@AAG

ac`XcR^ ^VtVcW`c^R_TV

g,‡vuW^€ut

Rz~t,‡yvg,‡v

8M8e0-it!0 NBW M‡8e8e‡N-8 f‡N-W M-8j‡‡M-8!\$ AE MS

d~ ~ ~ r...€1,wf...,x..r~ ~ v†

Uvfr. †~ v€‡1 wRx. z‡}‡ .v
R€€ r} b vf, .‡1CAAF@AAG

1111111a..., x...r ~ ~ v1

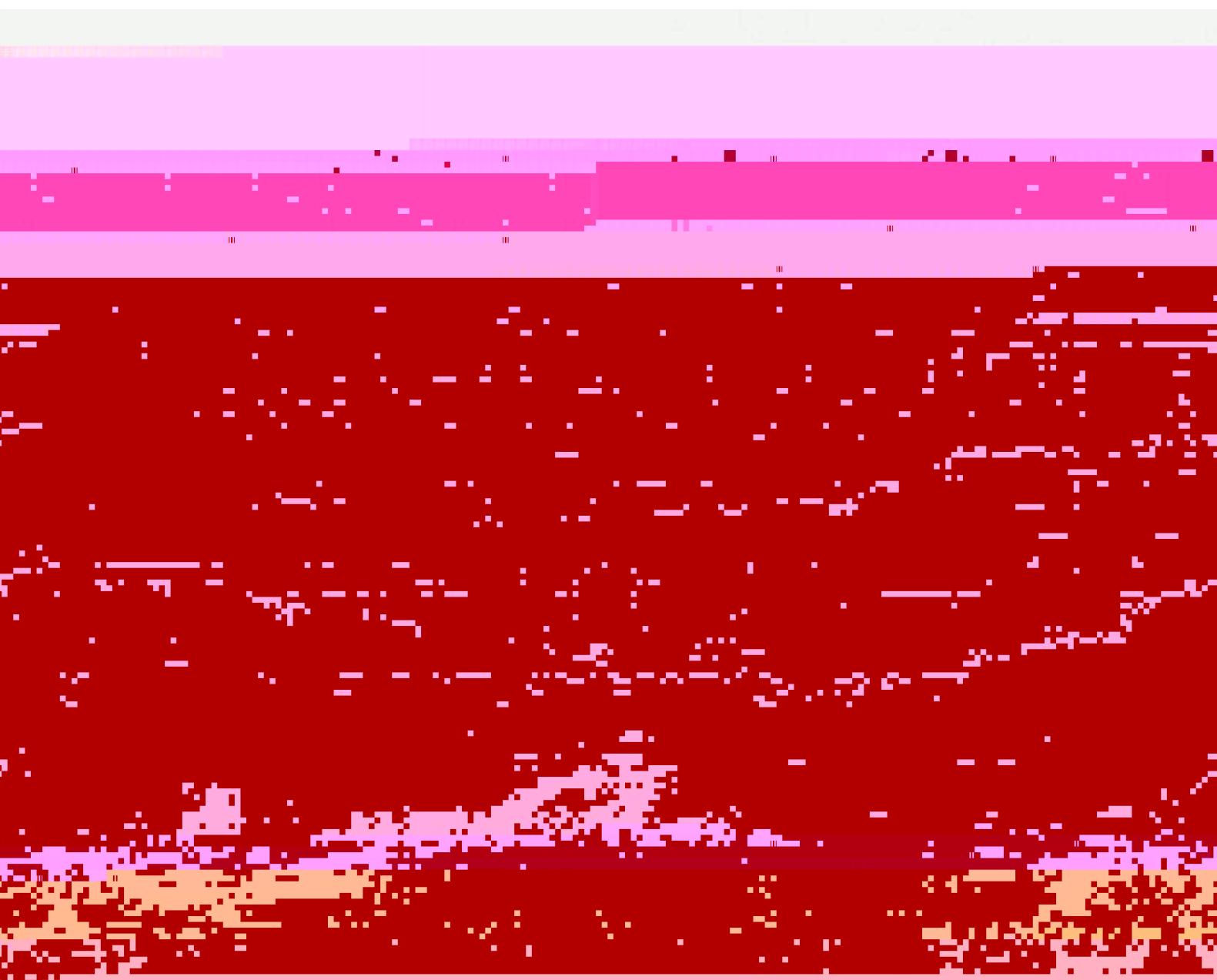
1111111d^sf..., x...r ~ ~ v1

D?1 Wr...~v..1d^ff , ..‡1r€u1

Uv%v} , f ~ v€‡1

ÚSPSNld-ë " -M " ööë" è " èõMè °M !8-đM





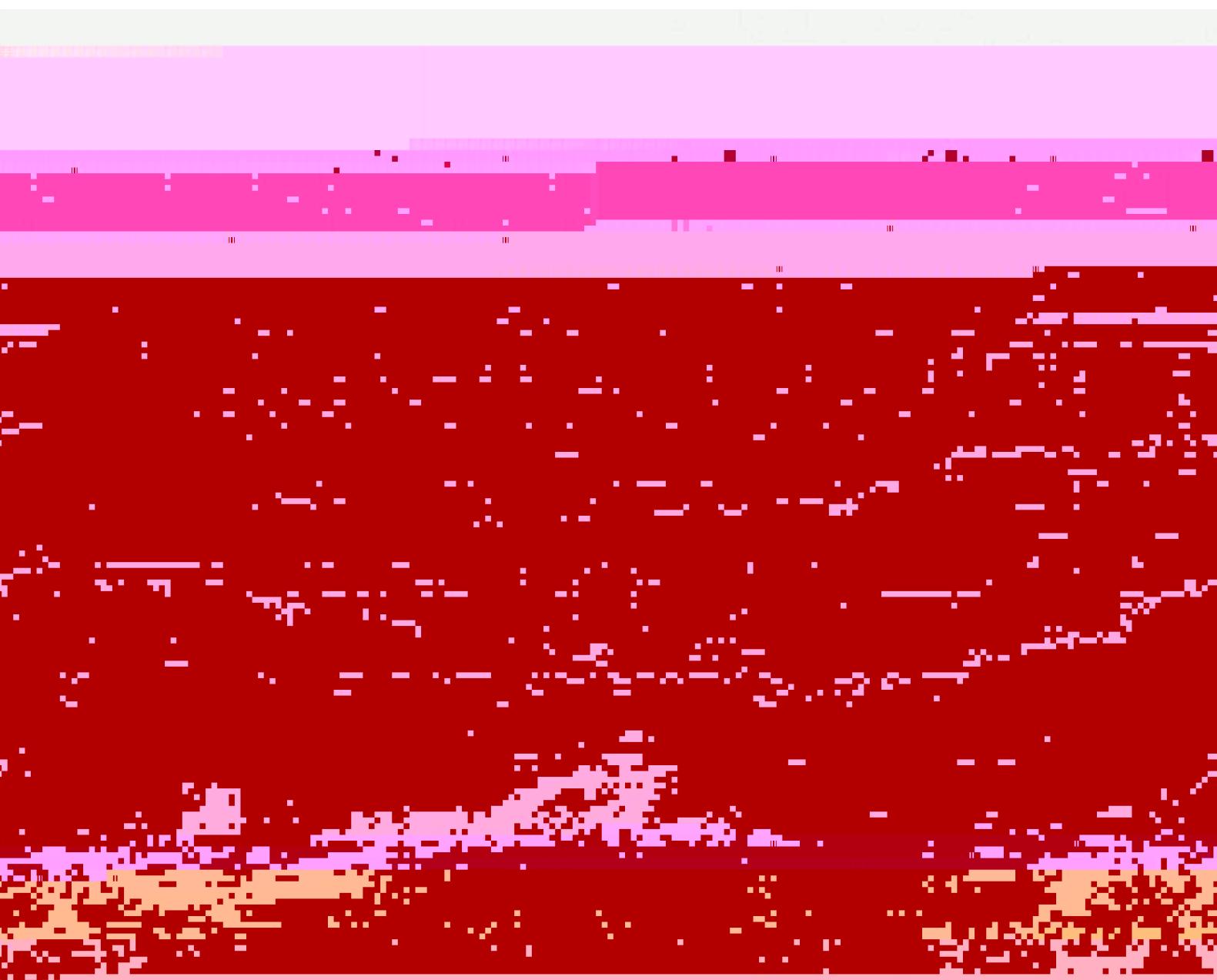
Uvfr.‡~v€‡1wRx.z‡}‡.v
R€€r}bvf,.‡CAAF@AAG

Uvfr.‡~v€‡r}fro~v€‡
AAA

g.,‡vu1 c ,}‡,‰v...‡1
a...x...r ~ ~v‡1 w,...1 r€u1 g‡v> e,‡r}1 R‡‡r}1
CAAF@AG1 Ru{^‡‡~v‡t ~v‡1 ‰,‡vu1 V<fv€uz‡...v1 v v

Uvfr. †~ v€‡1 wlll





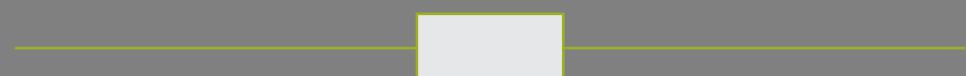
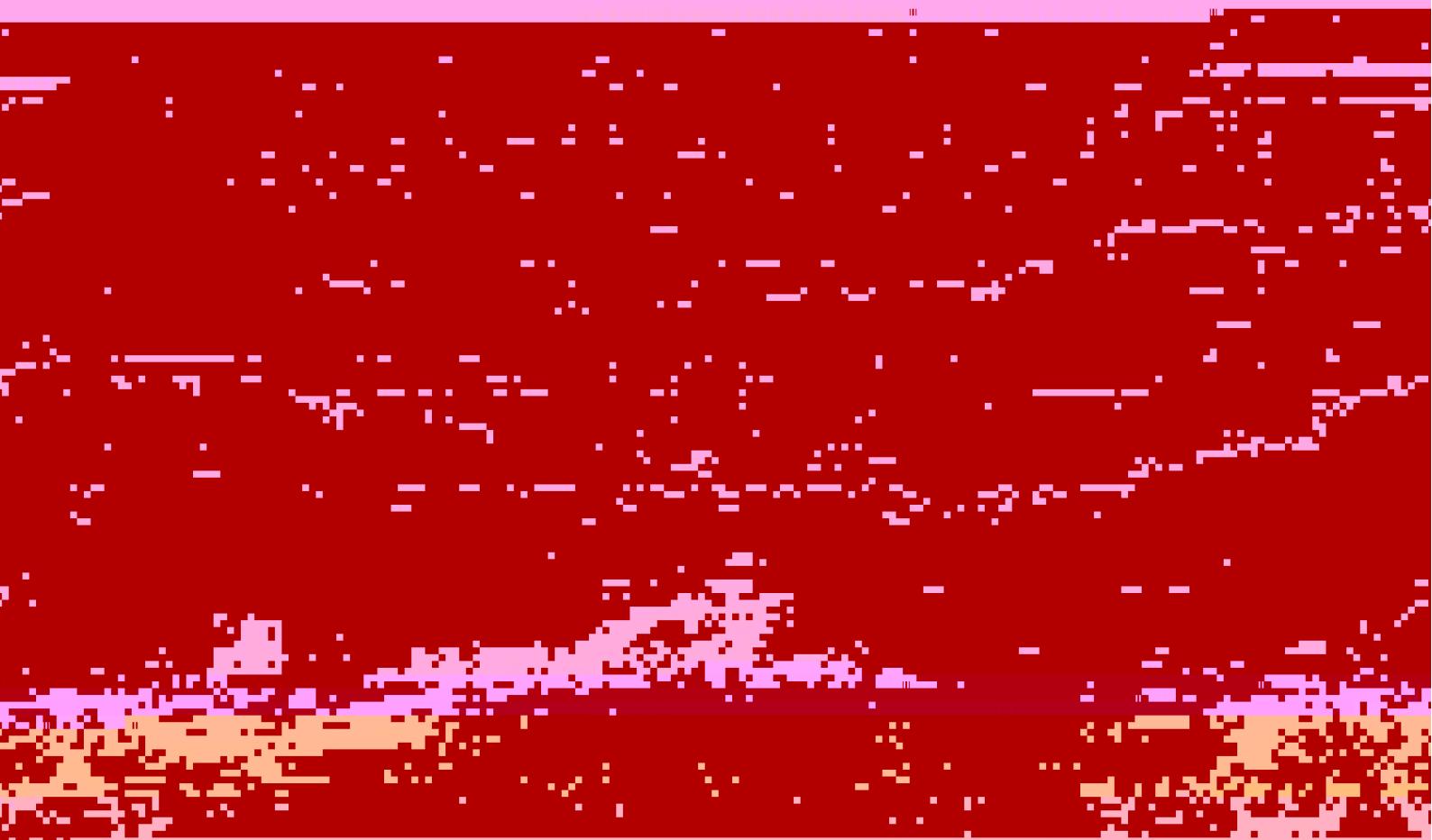
Uvfr. †~ v€‡1 wRx. z‡ .v
R€€ r} b vf, .†ICAAF@AAG

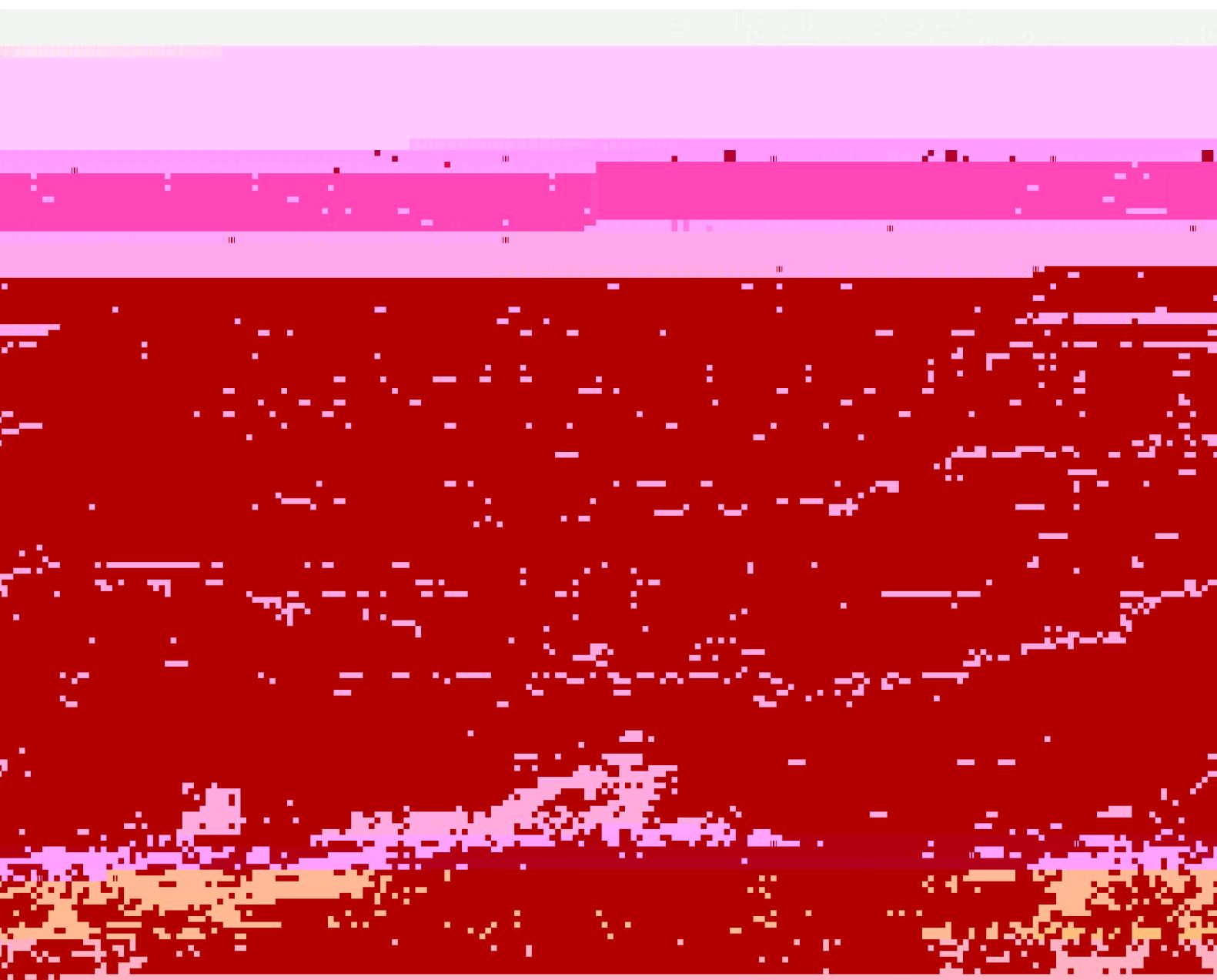
| è-! dë:; °M! °iøM | è-

M! °iøM! Àè-

- | À

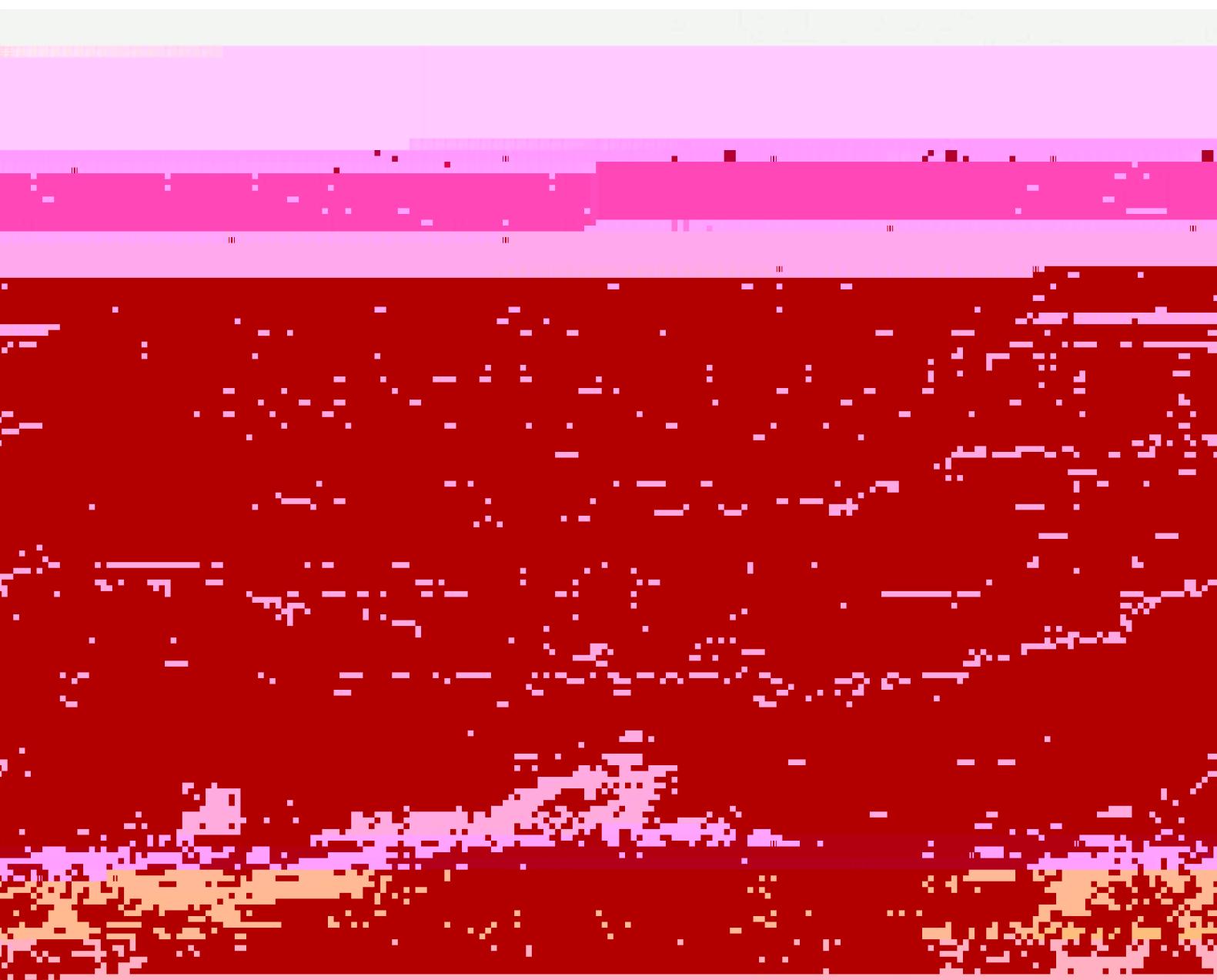
>

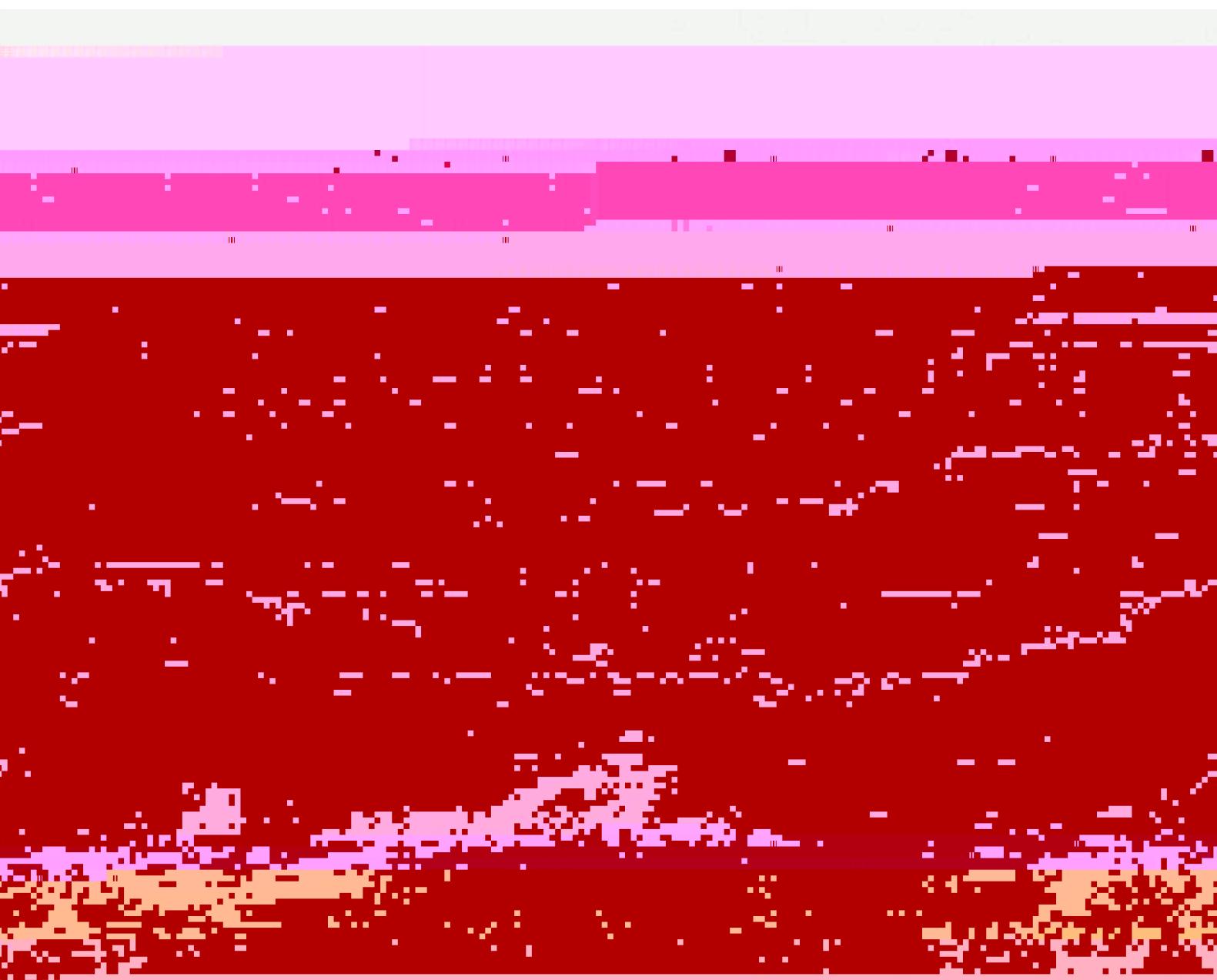




Uvfr.‡~v€‡1wRx.z‡.v
R€€r}lvf,.‡ICAAC@AAG

Tyr}}v€xv1Bk1









Uvfr.‡~v€‡1wRx.z‡}‡.v
R€€r}‡vf, .‡ICAAF@AAG

daVTZWZT1TYR]]V_XVdR_U1cVda`_dVd

Tyr}v€xv1BM 8èM8 è...idè‡"MBM"‡!-i5N&"d!=~-=M

¶d‡éM:M‡‡"M..d‡"M0M "d°M‡‡"SM

cvtf, €†vt, Tyr}v€xv1BM

\ " f M‡‡"M! i°iè\$MB-M "d°M‡‡"M8f M8 è...‡"‡"SM

Tyr}v€xv1CKNM

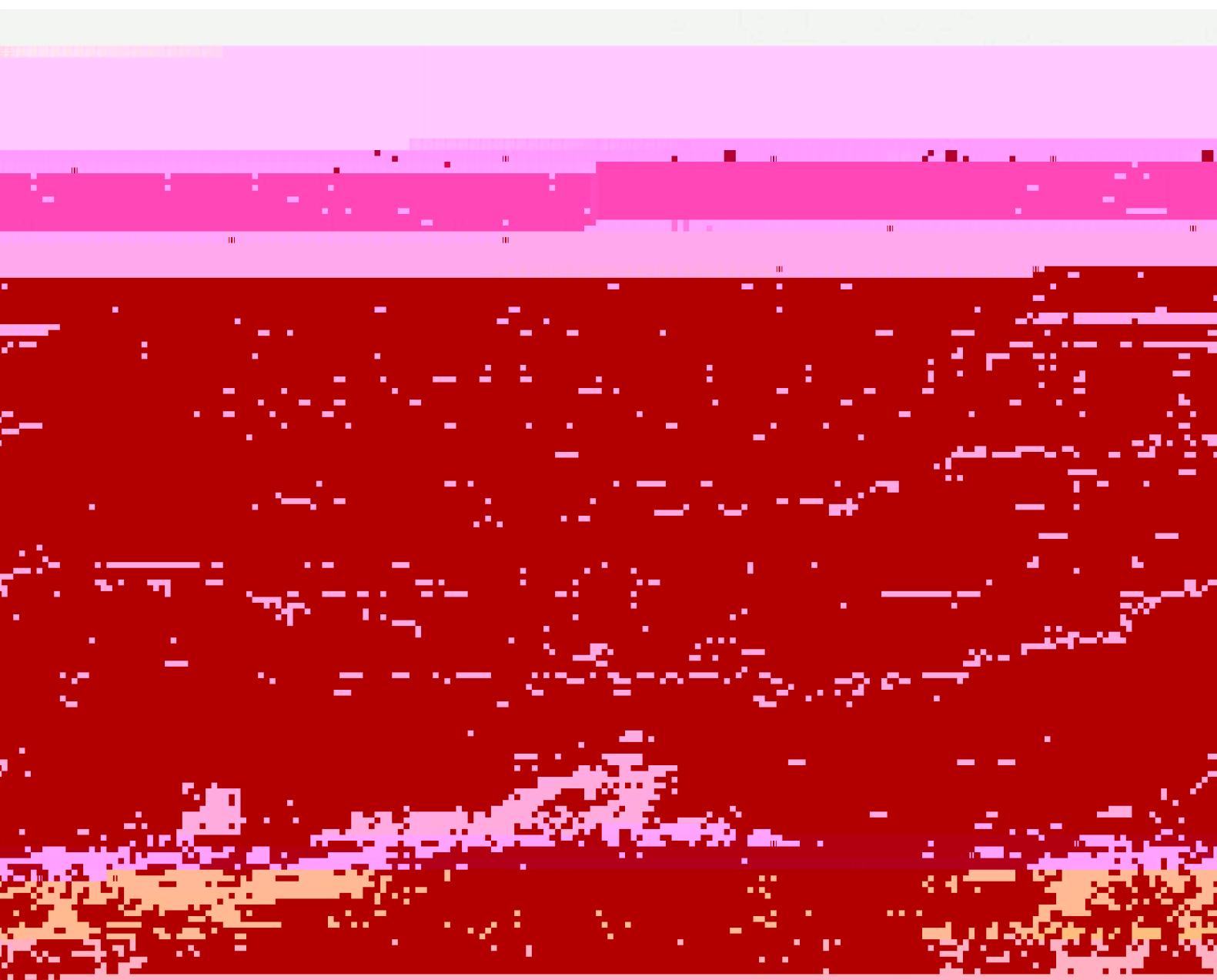
à è...‡85" " =M- "M‡8j "M "M\$ "M:NÜM=M!‡'M-8j è‡idM" ...d-ë" èë=M- "M" !‡dèoNBM

...‡d‡"M!‡'M è...‡85" " =SM







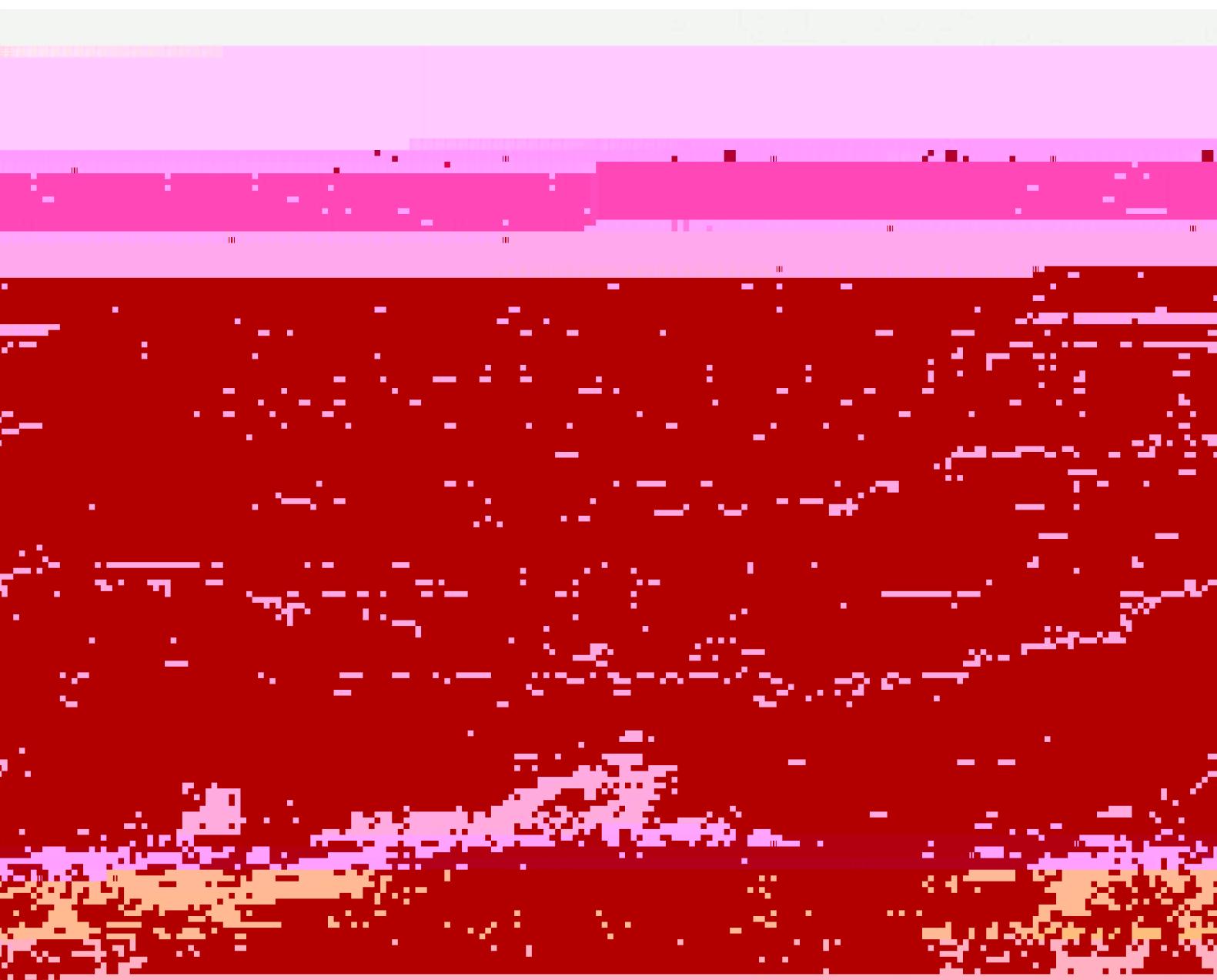


Uvfr.‡~v€‡1wRx.z‡}‡.v
R€€r}‡vf, .‡CAAF@AAG

daVTZWZT1TYR]JV_XVdR_U1cVda`_dVd

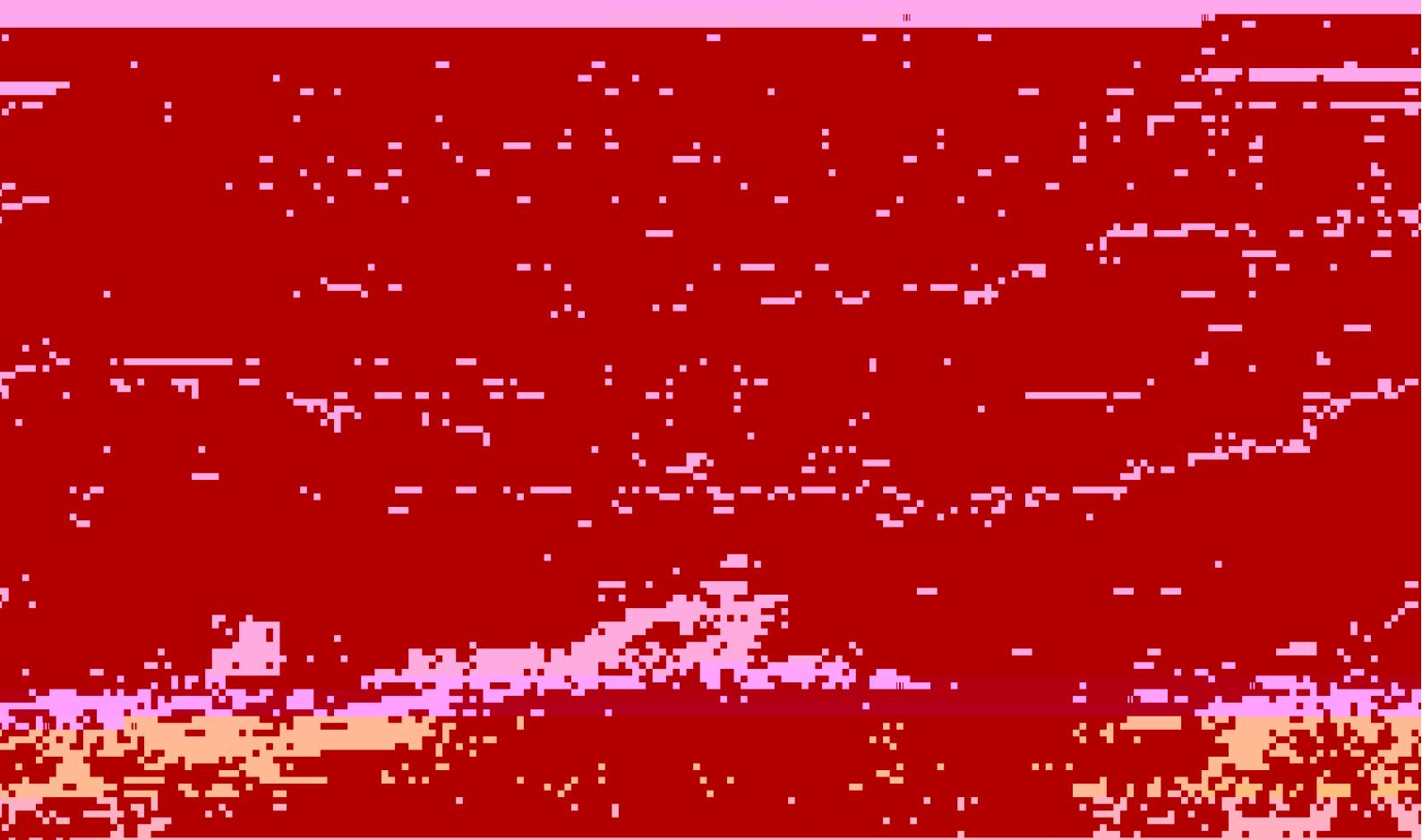
Tyr}v€xv1B\NddéN:





Uvfr. $\exists \sim v \in \{wRx, z^+ \}^*$. v
R $\in \epsilon r \} \vdash a$

\emptyset

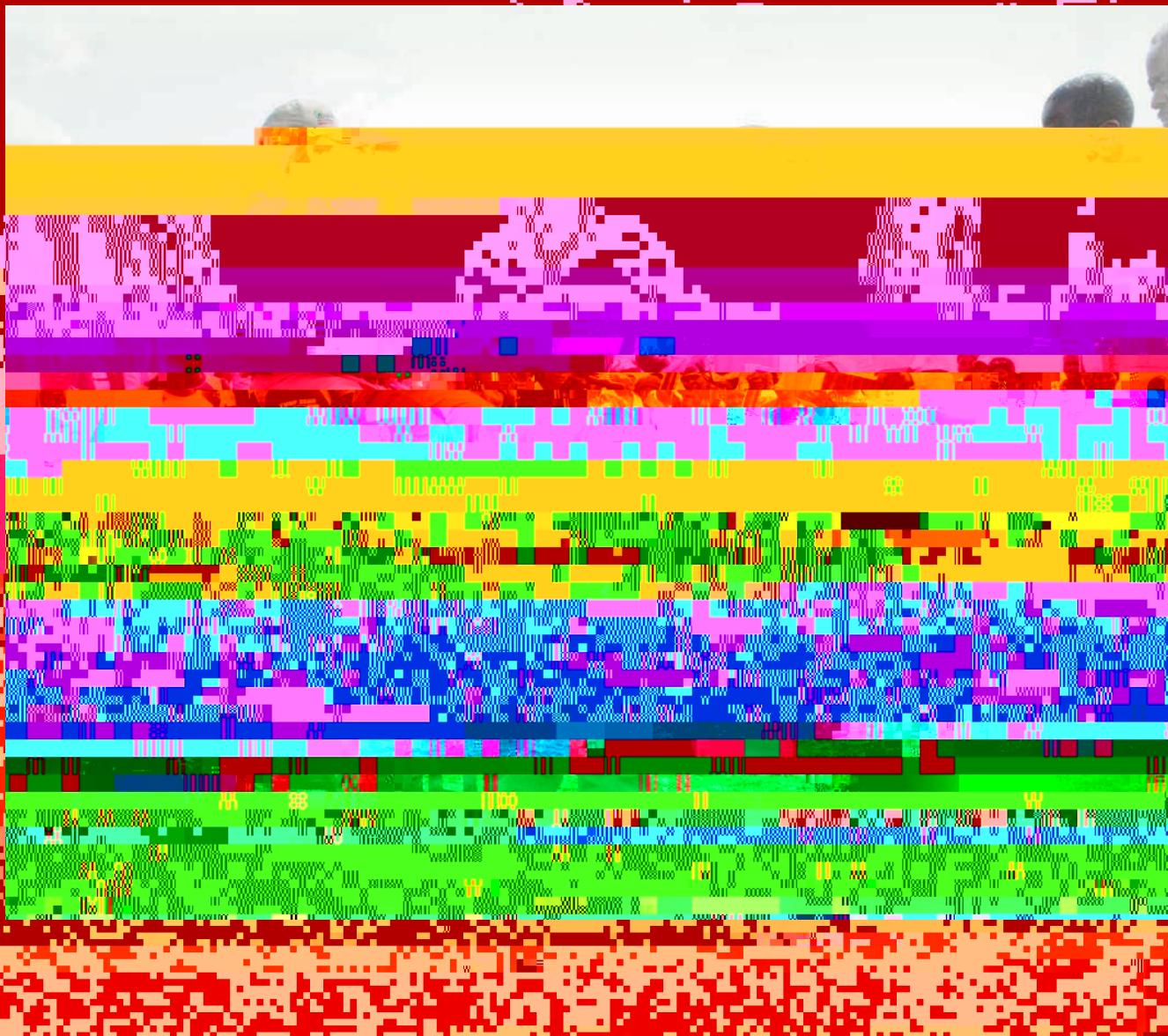






$a_m, x_m | r \sim \sim vD$

WRc^Vc1dfaa`ceR_U1UVgV]`a^V_e





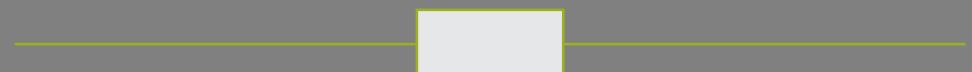
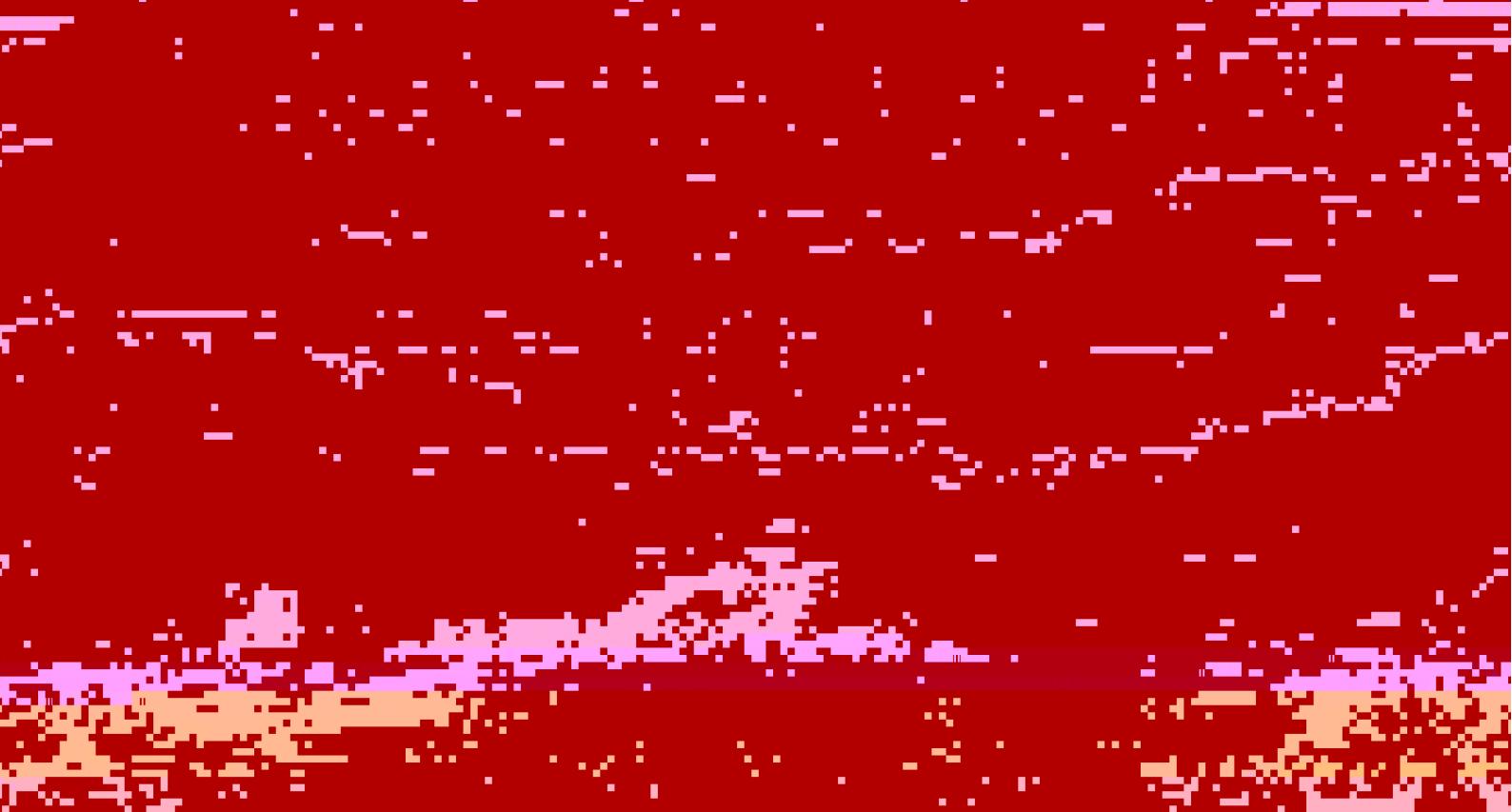
Uvfr. †~ v€‡1 wRx. z‡ .v
R€€ r} b vf, .‡ICAAF@AAG

dVcg[ZTVUV]ZgVc j RTY[VgV^V_ed

ãdè°Nl °°l=ð-†!õ8èM8-M\$-†!õ!-dññ "j "õ8... ë " èdñ [âæñññ

aõã} e

M" âVâ è



Uvfr.‡~v€‡1wRx.z‡.v
R€€r}bvf,.‡ICAAF@AAG

Rt‡^r)1‡‡f‡‡

^vrt‡^...rs)v1
` s{vt‡z%v
Mè°M

av...w,...~r€tv
^vrt‡^...v1

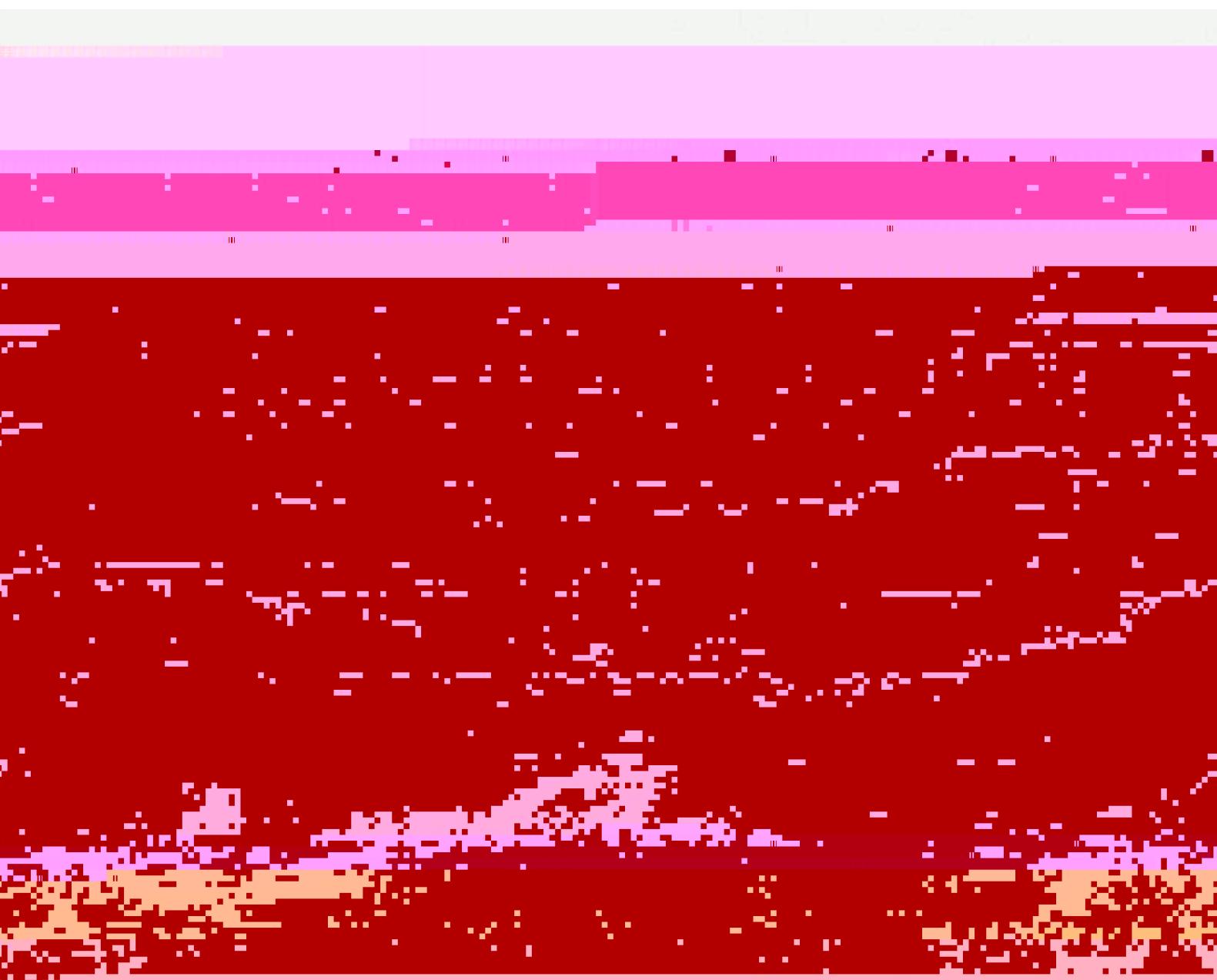
Rt‡^r}1
` ^‡f‡‡1
CAAE@AF

er...xv‡1
CAAE@AF

f€‡† Ó







Uvfr. †~ v€‡1 wRx. z‡}‡.v
R€€ r} b vf, .‡ICAAF@AAG

^vr†^...rs}v1
` s{vt‡z%v

av...w, ...~r€tv
^vr†^...v1

Rt‡^r}1
` ^tf^††1
CAAE@AF

er...xv‡1
` ^tf^††1
CAAF@AG

Rt‡^r}1
` ^tf^††1
CAAF@AG

Uv‰ozr‡z, €1
w..., ~1
er...xv‡

f €z†† Ó

æ" i "ë8... ë "èøMè°M
°I=ð-!† !ðl8èM-M
iè:8- ë dðl8èM
ë dè !d=øèM-M
j d-i "ð5ø-N-8...=M
dè°Mj "ð8‡é

WÜÜ VTW

Ø NW! ='' N

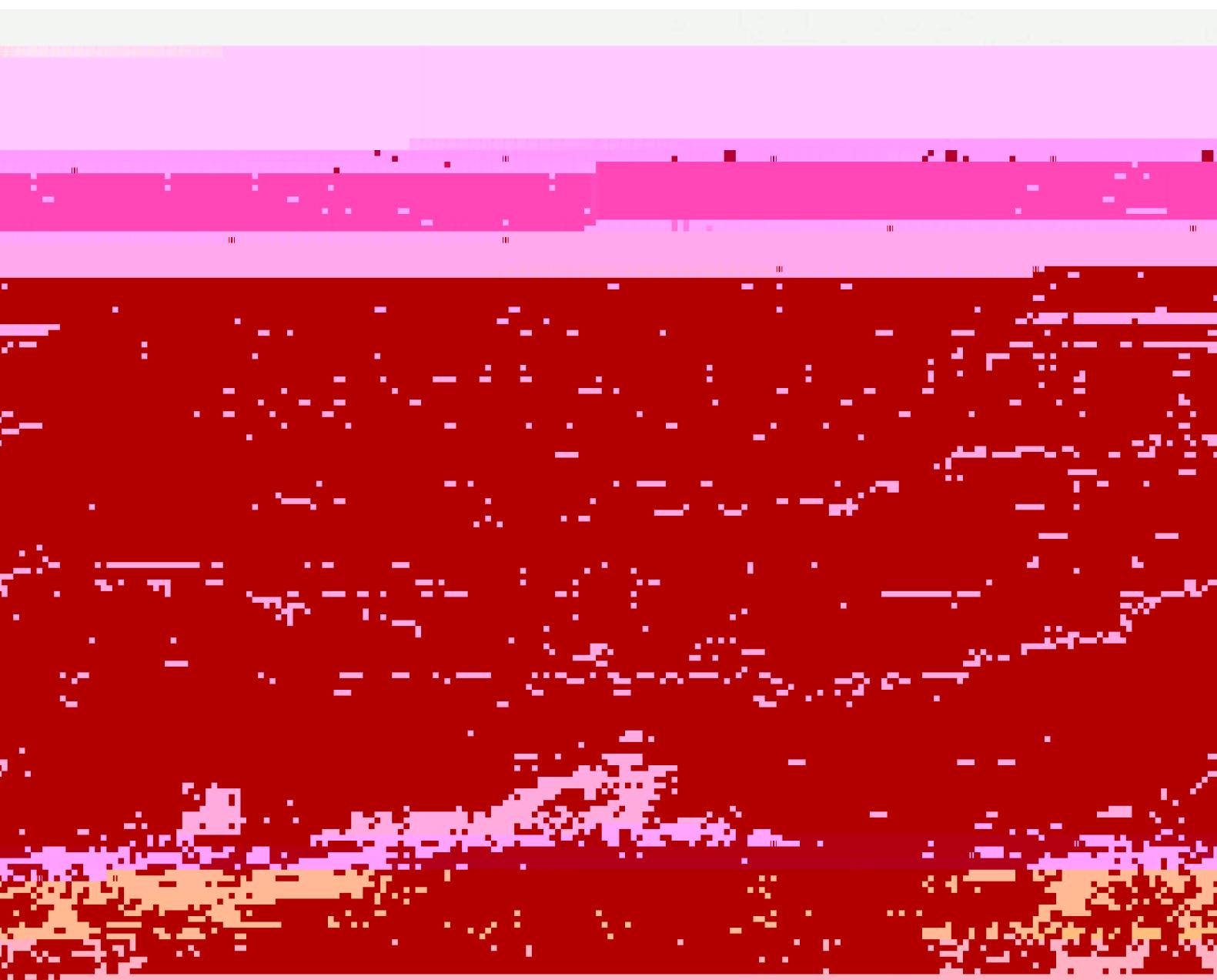
ØM
I8 ä88- M Å b
éøes ö88 pTMN AWP
M != Ü

~ë...ë" ë "èøMè°M
...-8 ë 8ø" M " M= " M-M
â å-]
M
NW!
R
M M -8... R
Ø
ä88- Mè Å
&8- ë dðl8èM-M
{-8 j iè‡idM
ä88- °ièdøiè\$M èiøM
M

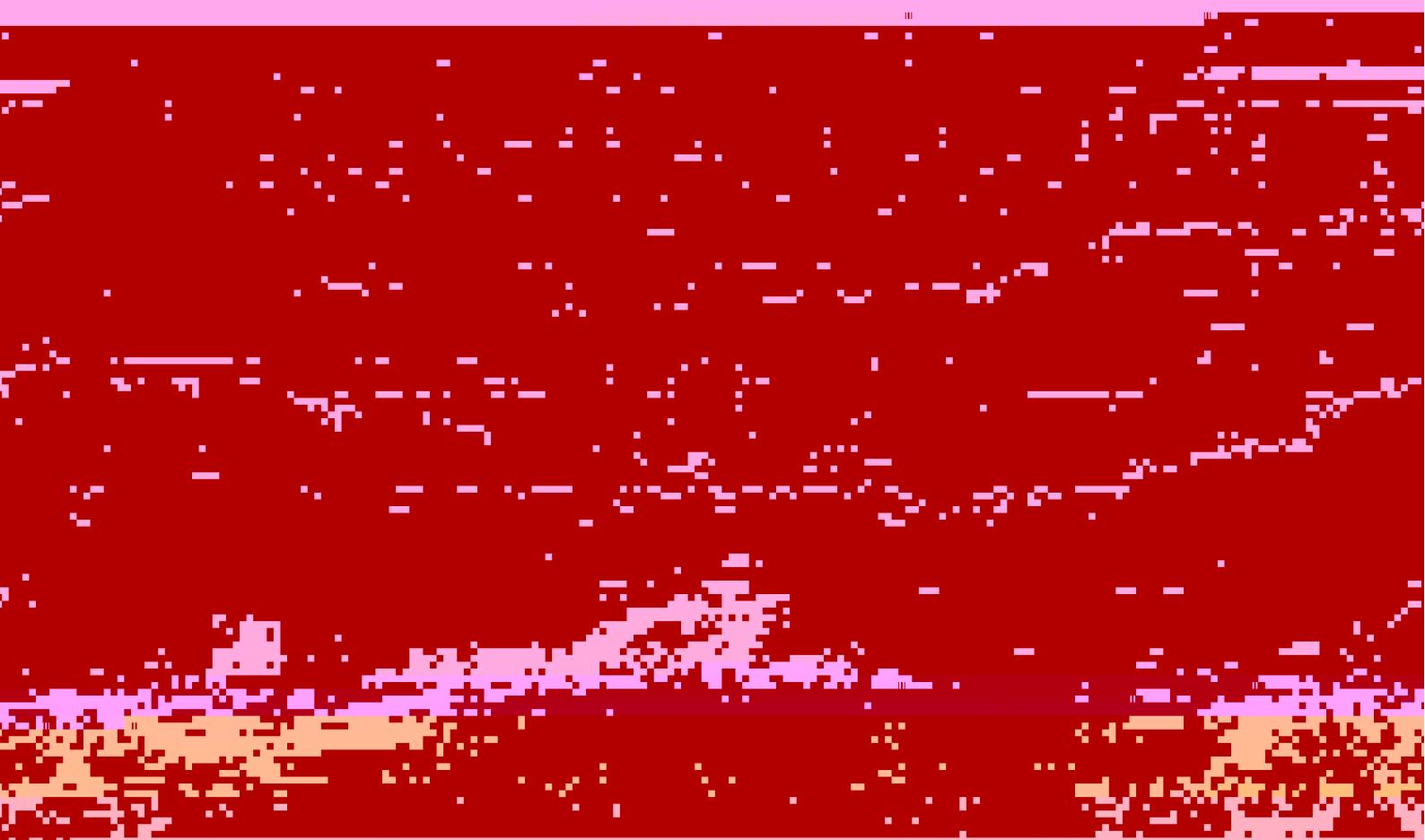
T T

U ÜÙSÙ

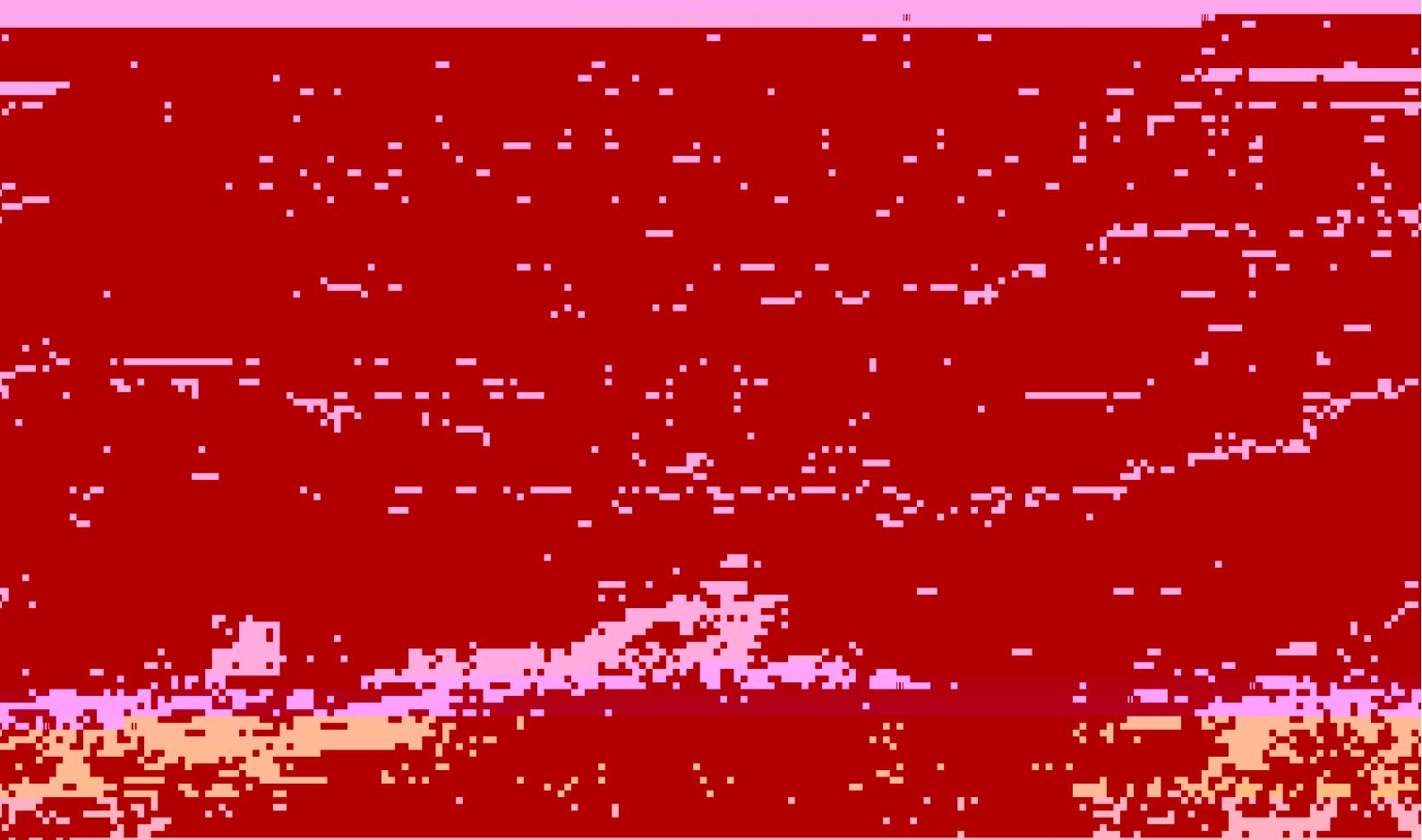
T T

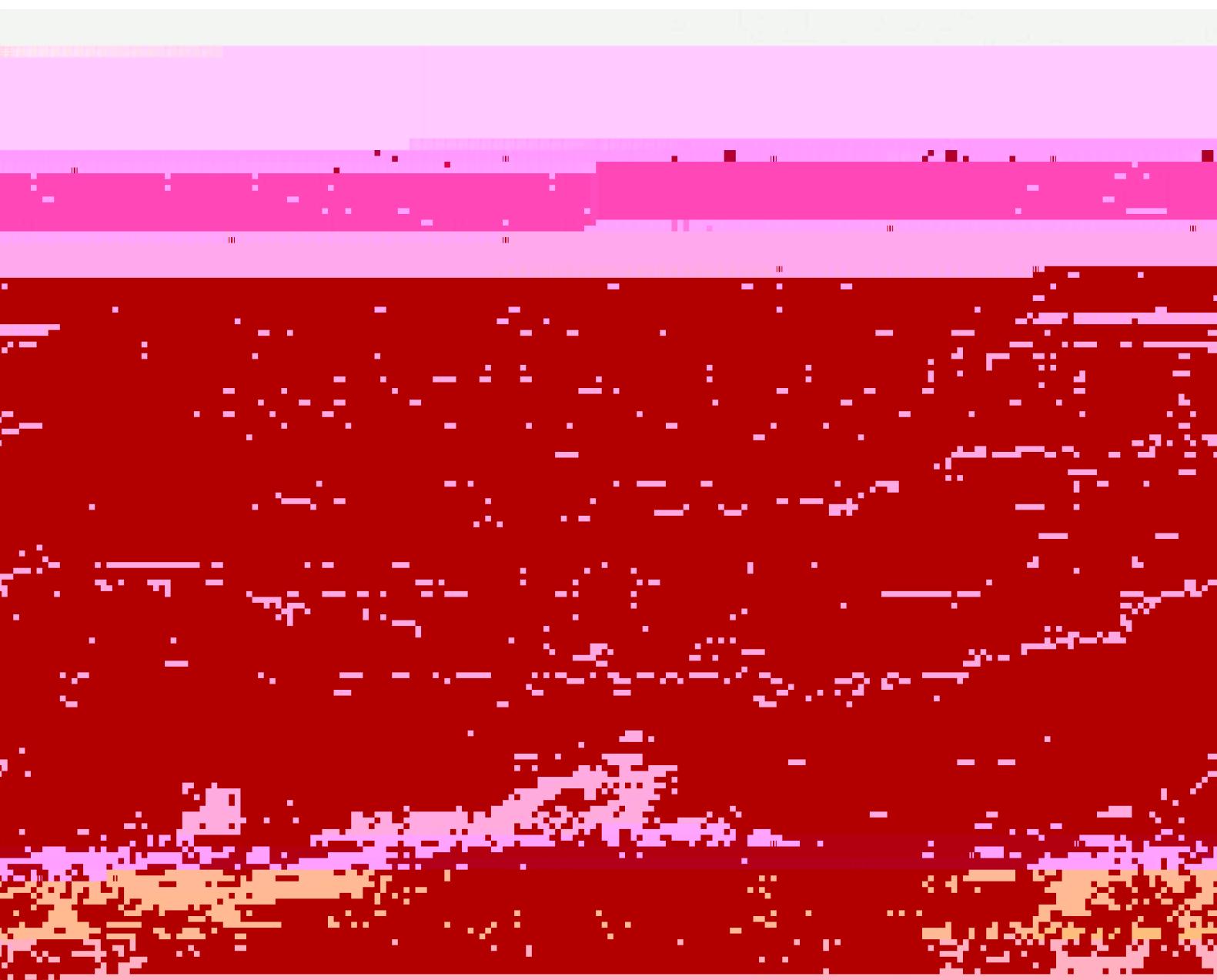


Uvfr. †~ v€‡1 wRx. z‡ .v
R€€ r} b vf, .‡ICAAF@AAG



Uvfr. †~ v€‡1 wRx. z‡ .v
R€€ r} b vf, .‡ICAAF@AAG





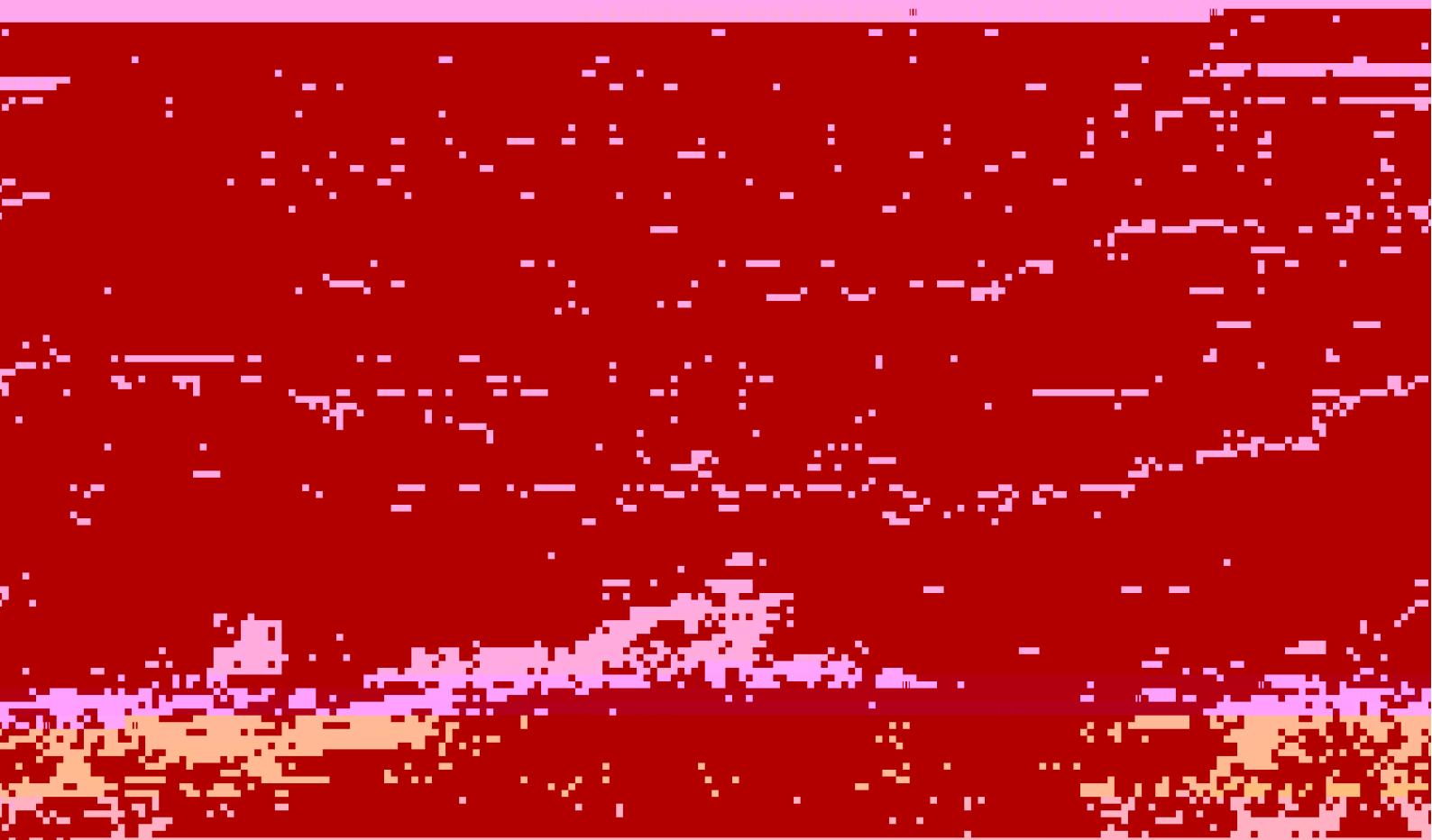




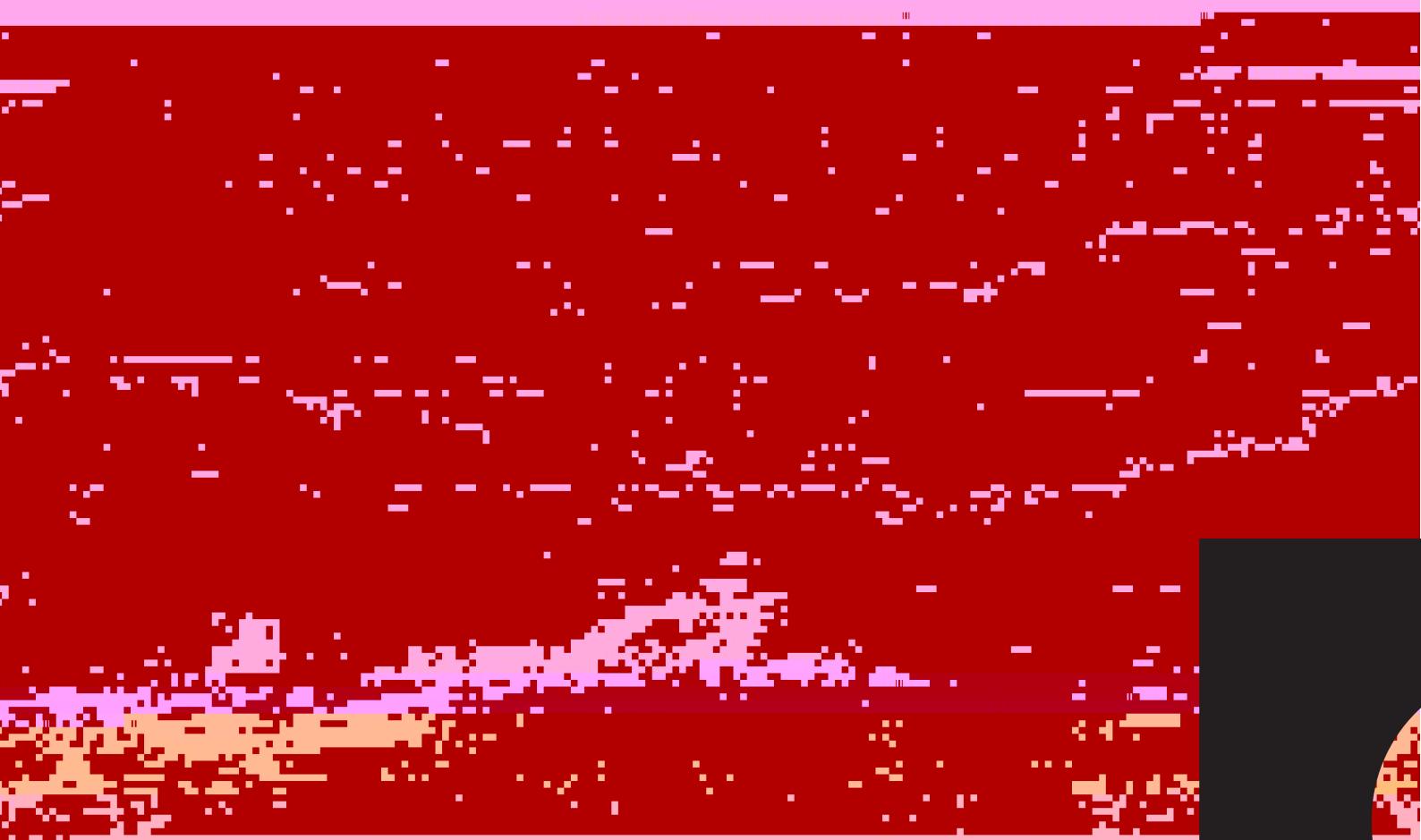


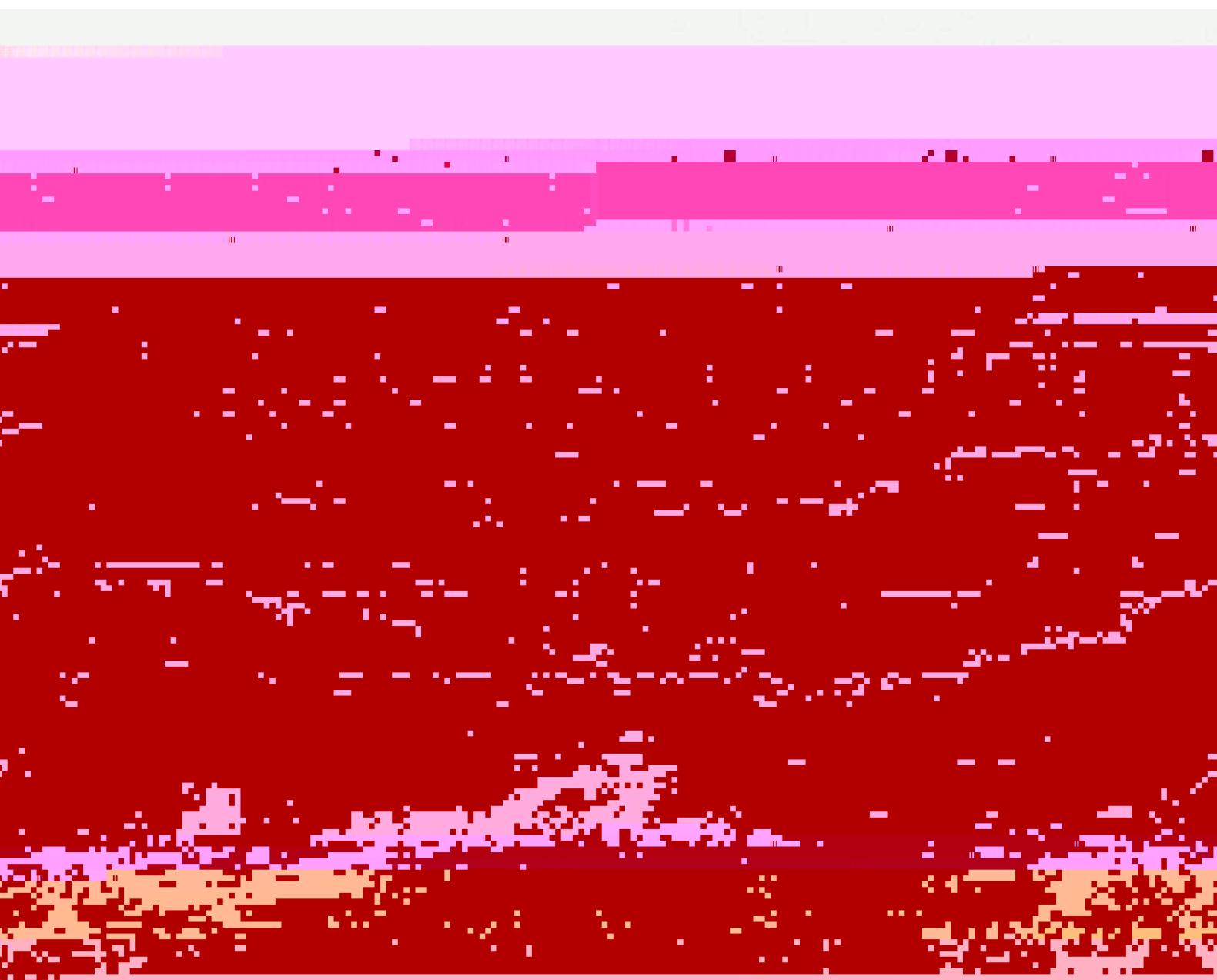


df S>ac`XcR^&VKcVdVRcTY1



Uvfr. †~ v€‡1 wRx. z‡ .v
R€€ r} b vf, .‡ICAAF@AAG





Uvfr.‡~ v€‡1 wRx.‡‡.v
R€€ r} b vf, .‡ICAAF@AAG

^vr‡^rs)v1
`svtt‡%v

av...w...~r€tv
^vr‡^v1

Rt‡^r)1
`^tf‡tt1
CAAE@AF

er...xv‡1
`^tf‡tt1
CAAFLAG

Rt‡^r)1
`^tf‡tt1
CAAFLAG

Uv‰ozr‡z, €1
w%, ~1
er...xv‡

ÜM@i=ð-i‡ð=S

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ÜM@i=ð-i‡ð=S

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t€zt O

UÜM
b!eit...diM
†-i‡-

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pü 00

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| :Mä ^ M8ë‡"

~è" -è" ïMè°M
à è dëM 8ë‡5

U

{d==f 8°M Ü
{8ë‡50M
] ð" -le\$M
ä8ëe i" M
ä d" -lM
] "‡!-ið5M
{8ë‡50M
†d‡éM...M
{8ë‡50M
æL {M
] ð-dö \$50M
ä8ë...!v" M
dè°M
à-!...ë" èM
{8ë‡50M èëR
•i!=M 8ë‡5







Uvfr.‡~v€‡1wRx.z‡^.x
R€€r}bvf,.‡ICAAF@AAG

a f c a ` d V

~8M-8;|° "MèNé! "\$-dö" °M\$-it!=ie" ==Mè" M\$-it! M!-diM‡8è8 è†M Èè" M

S[VTezgVd1

dVcgzTV1UV]zgVc j RTYZVgV^V_ed

Uvfr. †~ v€‡1 wRx. z‡ .v.
R€€ r} k vƒ. †CAAFC@AAG

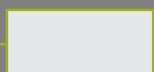
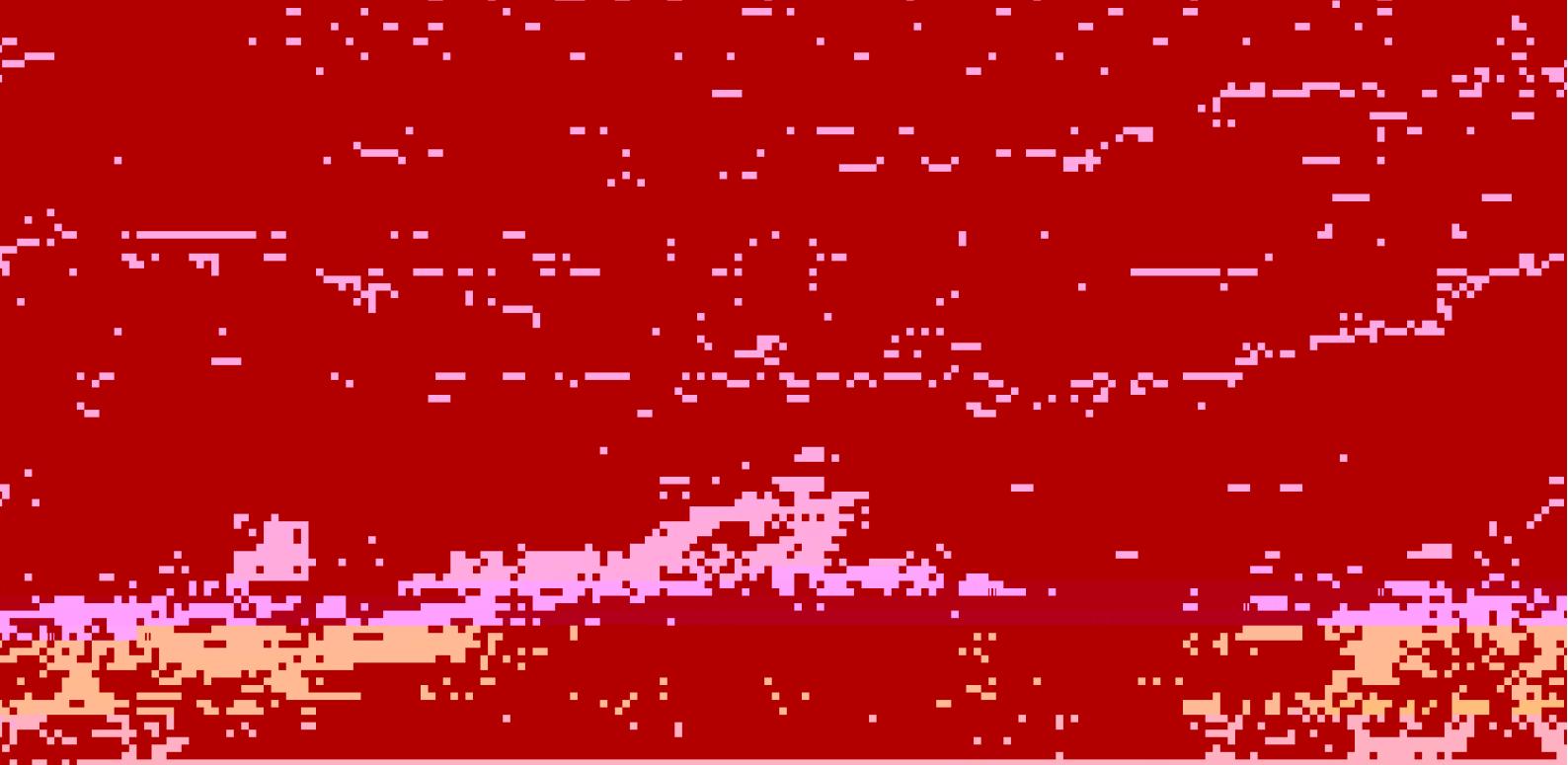
M-â\$8 a 5‡ i A M M

-pp - M I 8-M\$-†! éö !-dëMéö

âièé ° M b b à M i M] âMdeéé M M dèt M Mfi...dè=18è M=M-ë i è\$ M.. -dòi8è=

| i " -MÚMTTM\$-†! éö !-dëMéö- " -" è " !-M dòMé‡! ° ° M 8e " eMè ° M8! ° M.d-†i...dò " ° MèM " M
â\$-i " ààM8! M-8! \$ " 8! M " M-8! et"

æ" i " 8... " ° Mè ° M i di! dò " ° M



Uvfr.‡~ v€‡1 wRx...
R€€ r} b vf, .‡CAAF@AAG

^vr†^... 1 av... ^vr†^... 1 Rt†^r}1 er...xv‡1 Rt†^r}1 Uv‰... 1
` s{vt‡z ` ` ` CAAE@AF ` ` ` CAAF@AG ` ` ` CAAF@AG %... , ~1
er...xv‡ f €z Ó

{-8ë8øl M:M "M \ ! ë†"-M:M T
â\$- M d-ø"-M j d-ë "-
ø8M\$- M 4 ø!-M
"èø- M "èø- M
ø" "M-8j M f "8M
...d-ø!‡i M M
ø" "M 8-é= '8...

à=ø M\$- M \ ! ë†"-M:M T & MÜØ | è! MØ Ø
...-8‡!=! M d\$- M ...-8‡!=! M
j d‡i M "ø=ø

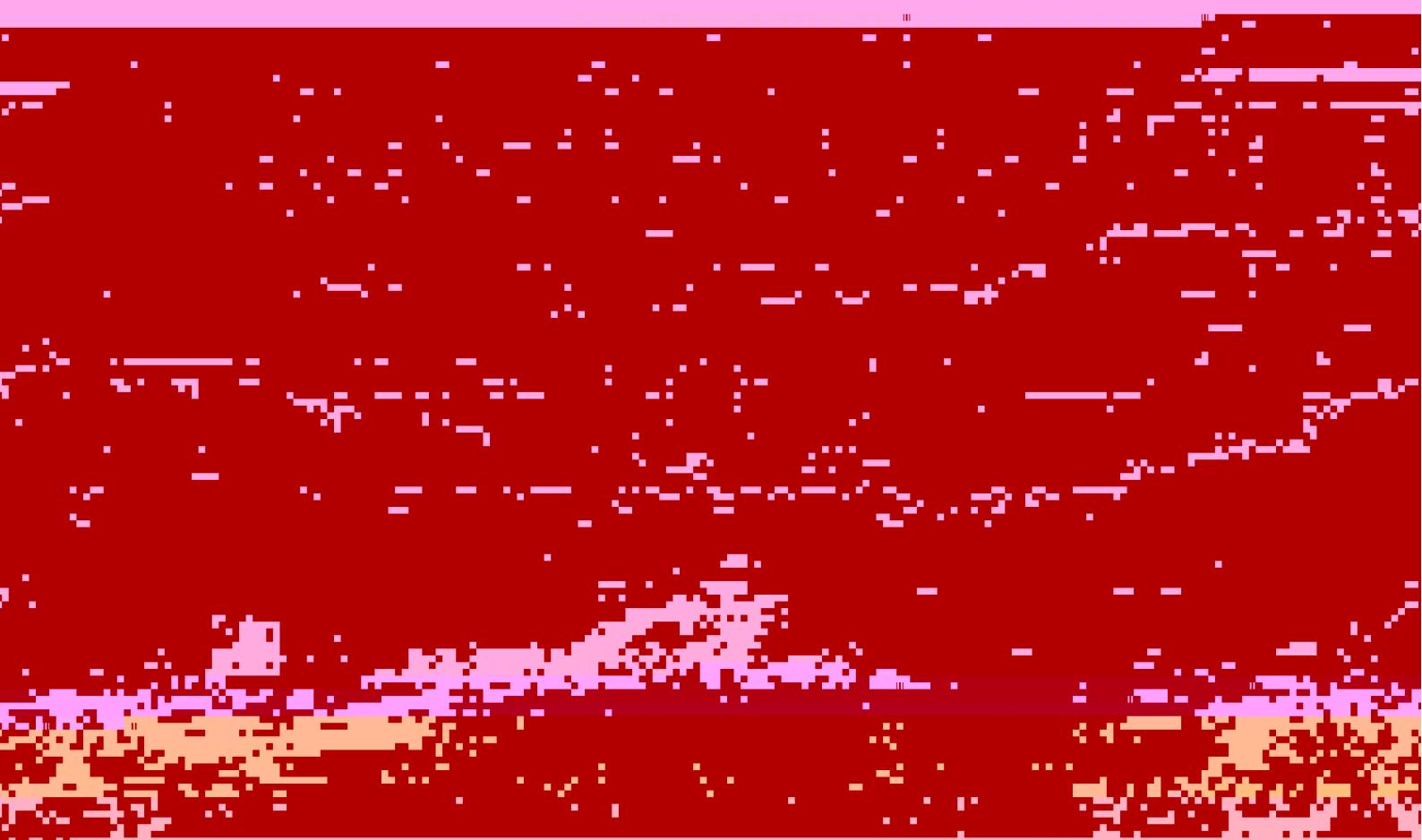
daV [TYR]]V_XvdR_U1cVda dyd?

Tyr}v€Š ^BK1
S@AP à p P um b ärdëé Ó
1('?n u



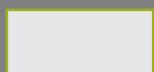
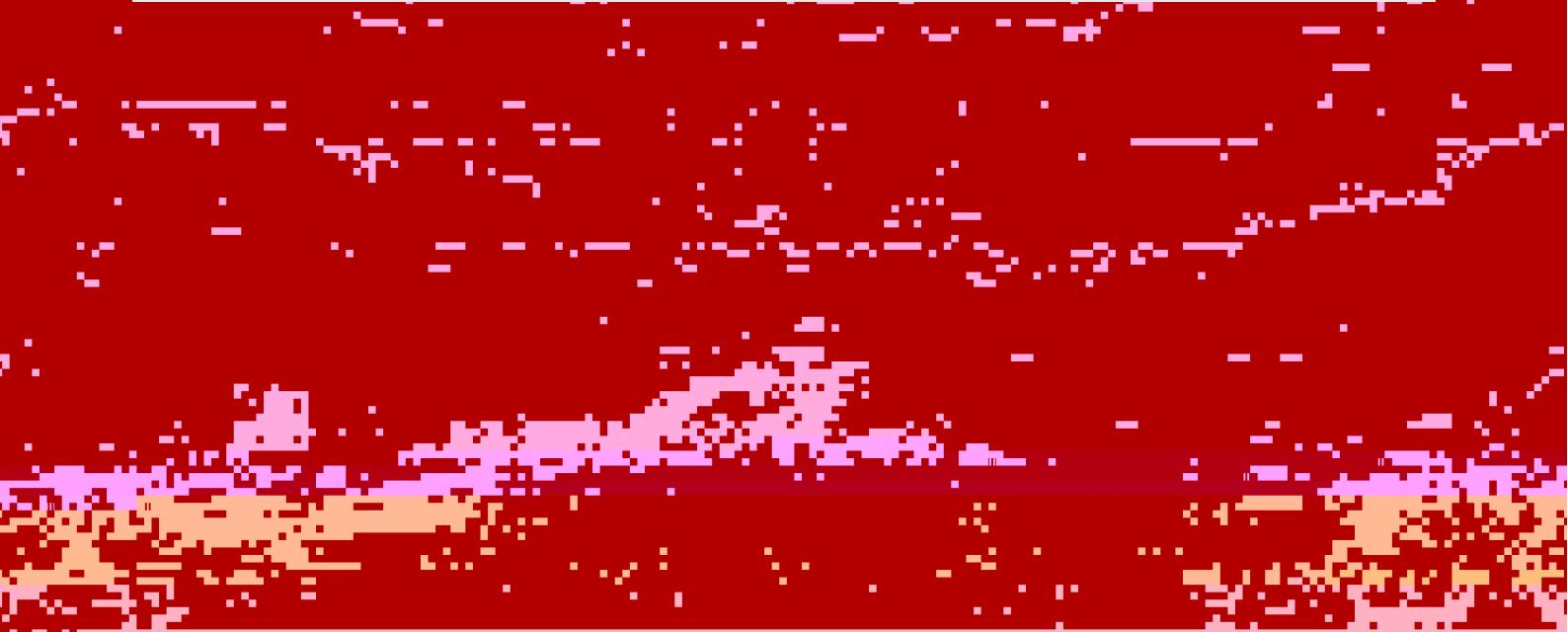


Uvfr. †~ v€‡1 wRx. z‡ .v
R€€ r} b vf, .‡ICAAF@AAG

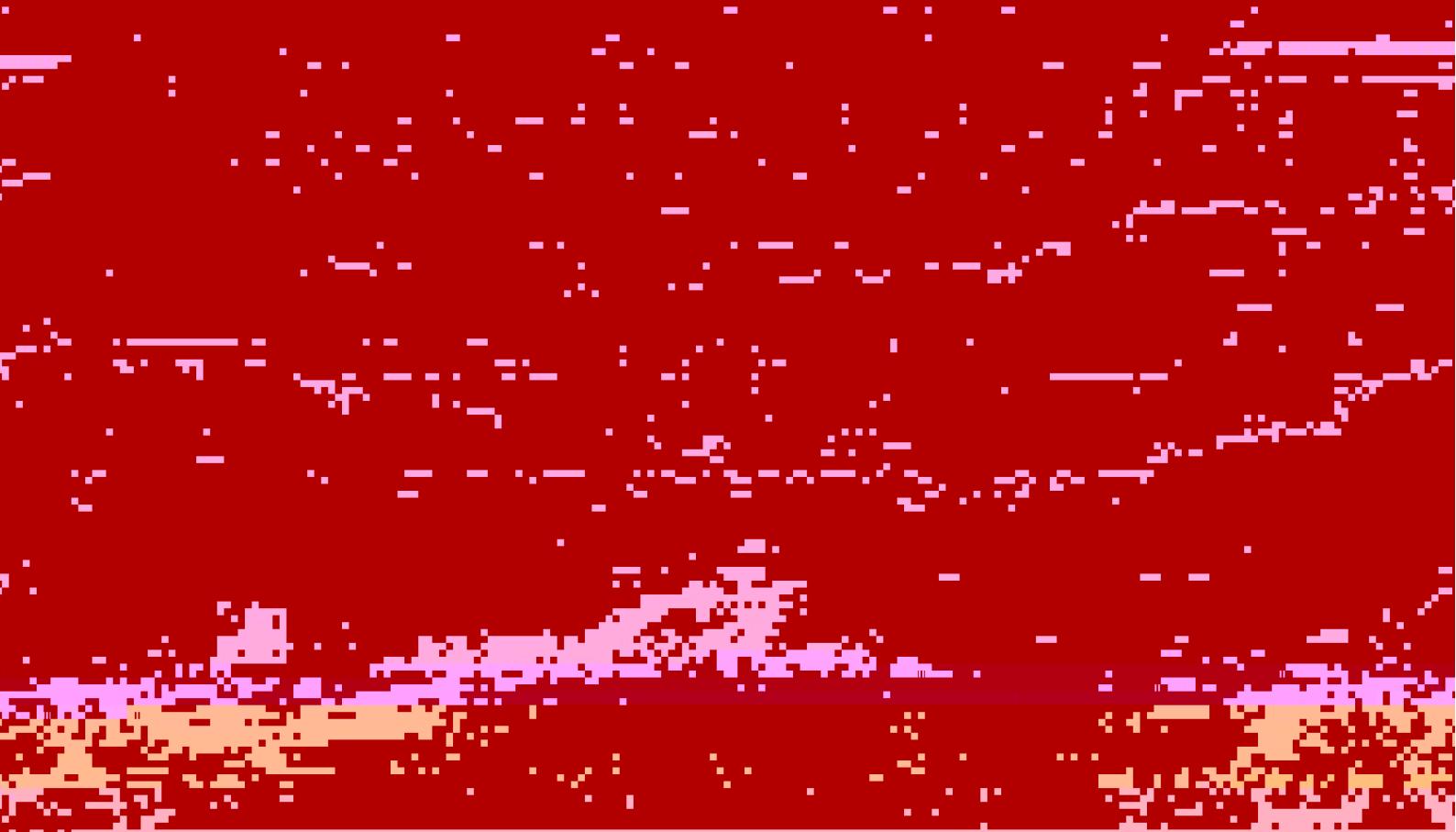




Uvfr. †~ v€‡1 wRx. †^ }‡ .v
R€€ r} b vf, .†ICAAF@AAG



Uvfr. †~ v€†1 wRx. †^ }† .v.
R€€ r} b vf, .†1CAAF@AAG











Uvfr.‡~v€‡1wRx.z‡}‡.v
R€€r}‡vf, .‡CAAF@AAG

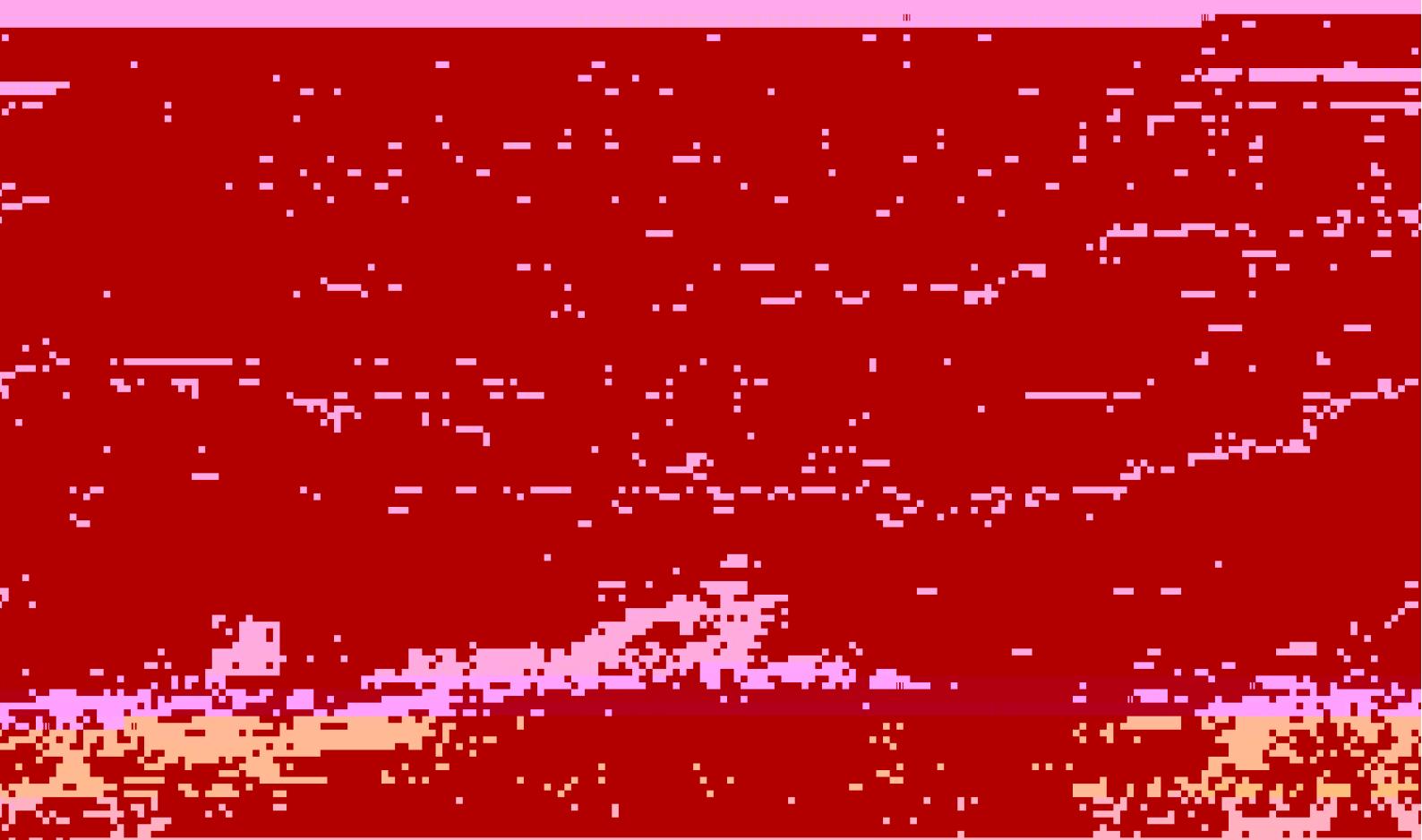
E
1c Va`ce1, ... t y v IEv r... 1€uvuDB1^r...ty CAAG

-èM! e e d-5M" "Mb" ..d-d e " èM i M e ... 85M" "MB#8 f i è\$M d-d" \$i‡M i d d i j =NBM 8 èi 8 -Me °

i è...8

a è 1-

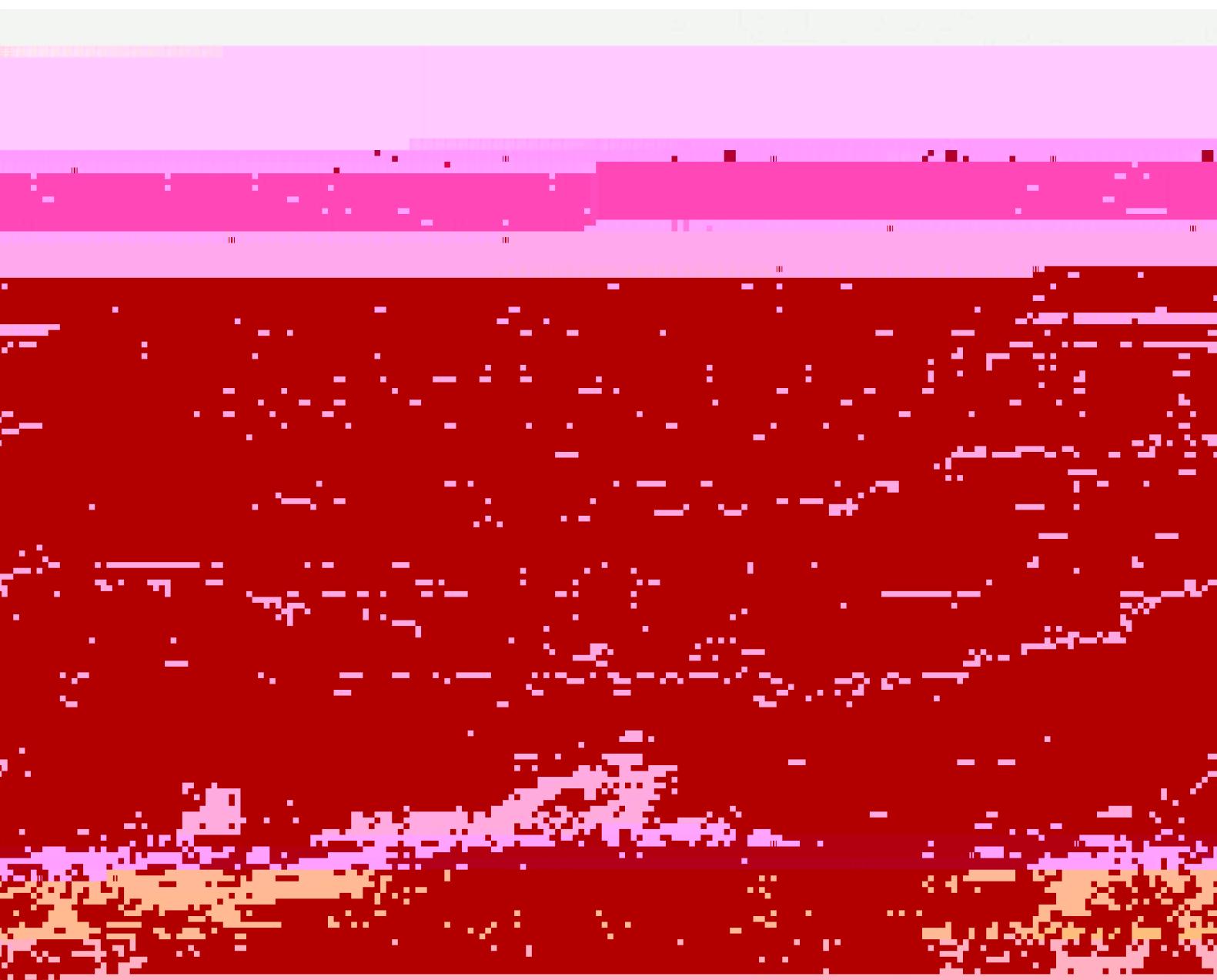
Uvfr.‡~v€‡1wRx.z‡^}‡.v
R€€r}1



Uvfr.‡~v€‡1wRx.z‡}‡.x
R€€r}‡vf,.‡IC AFCC AG

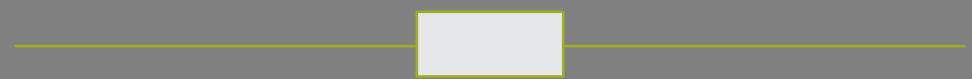
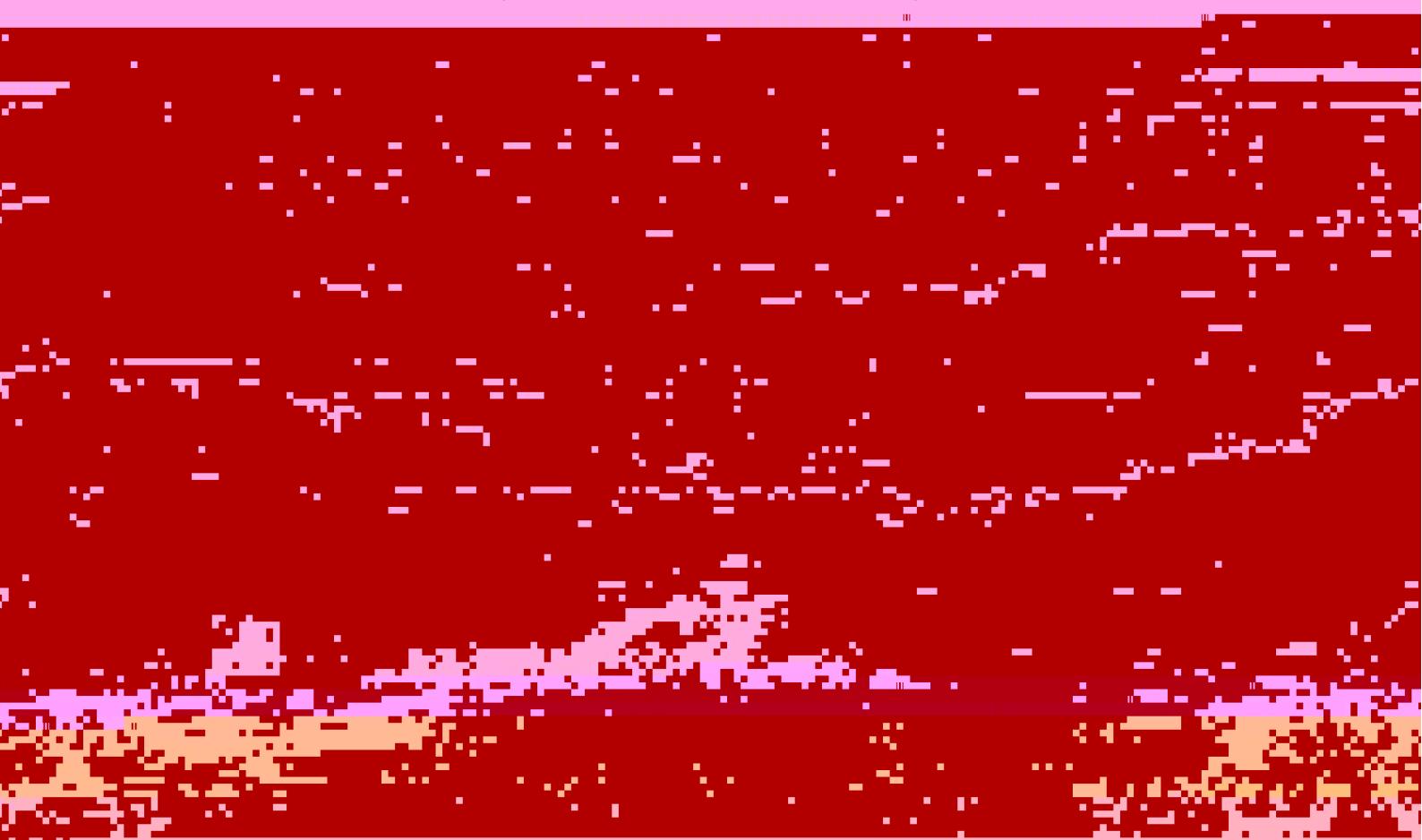
g`eVIE
^R_RXV^V_e1cVa`ce1,..‡yv‡evr..1€uvuDB1^r..tyC AG

æ!-‡€\$N@ TÜS@ "Me" ..d-‡ë "ë@N@-M@-‡!@!- "M@ë° !‡@°@ M@-! à àM@-di@è@\$M@ 8-ë= 8...=MeM@
M@ë@N@-S@-8@="M@-M@ " = "M@ 8-ë= 8...=M@ " - "NBM@ " j @8@ N@M@8@N@M@-8-ë " °@M@ " "M@ " -
‡8ë M@ M@ M@ d@ " = "M@B@ë M@S@-! à àM@ " j @8=Me@M@=8ëd-5@\$@-! à àMe@ " " "e@ " ! =

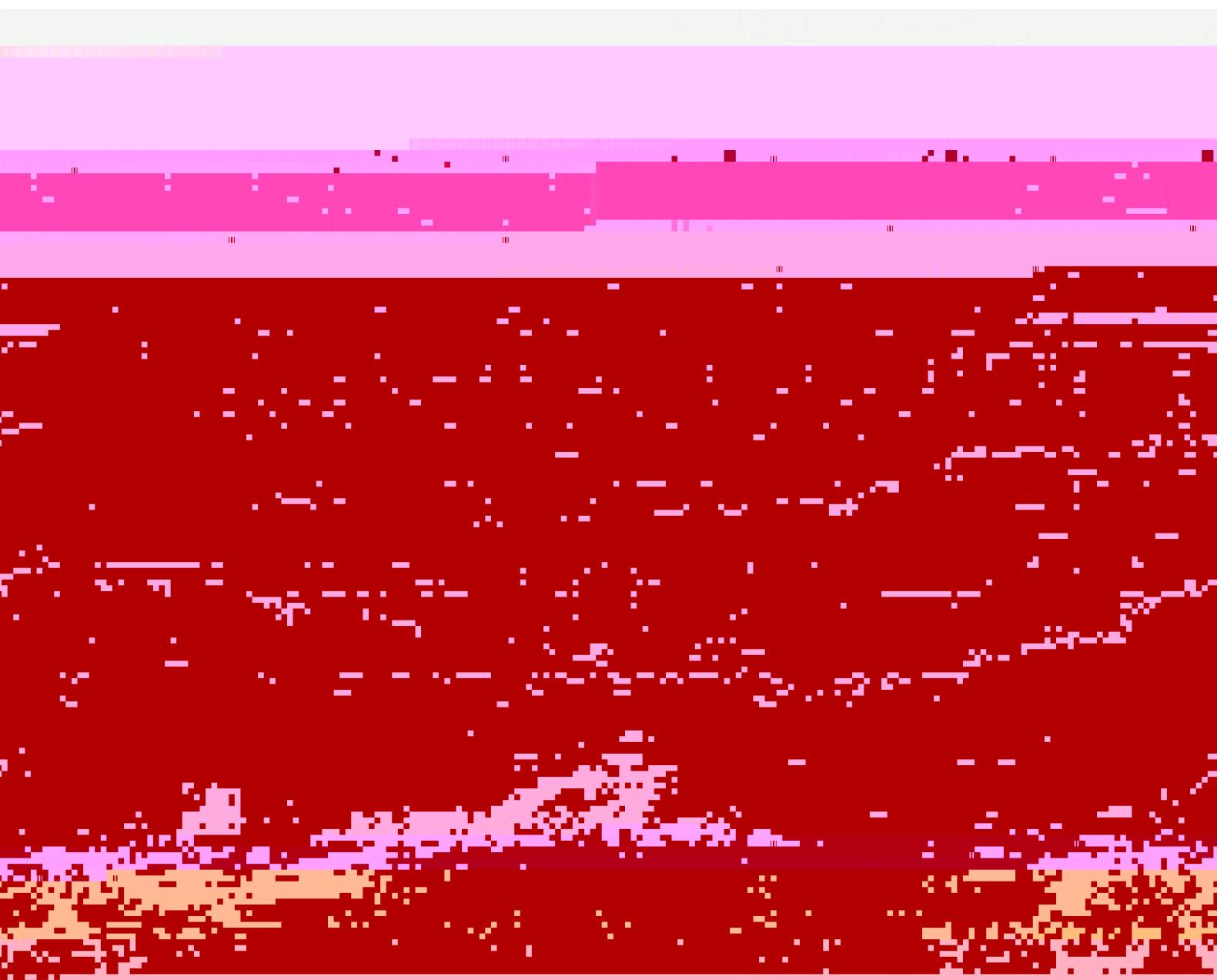




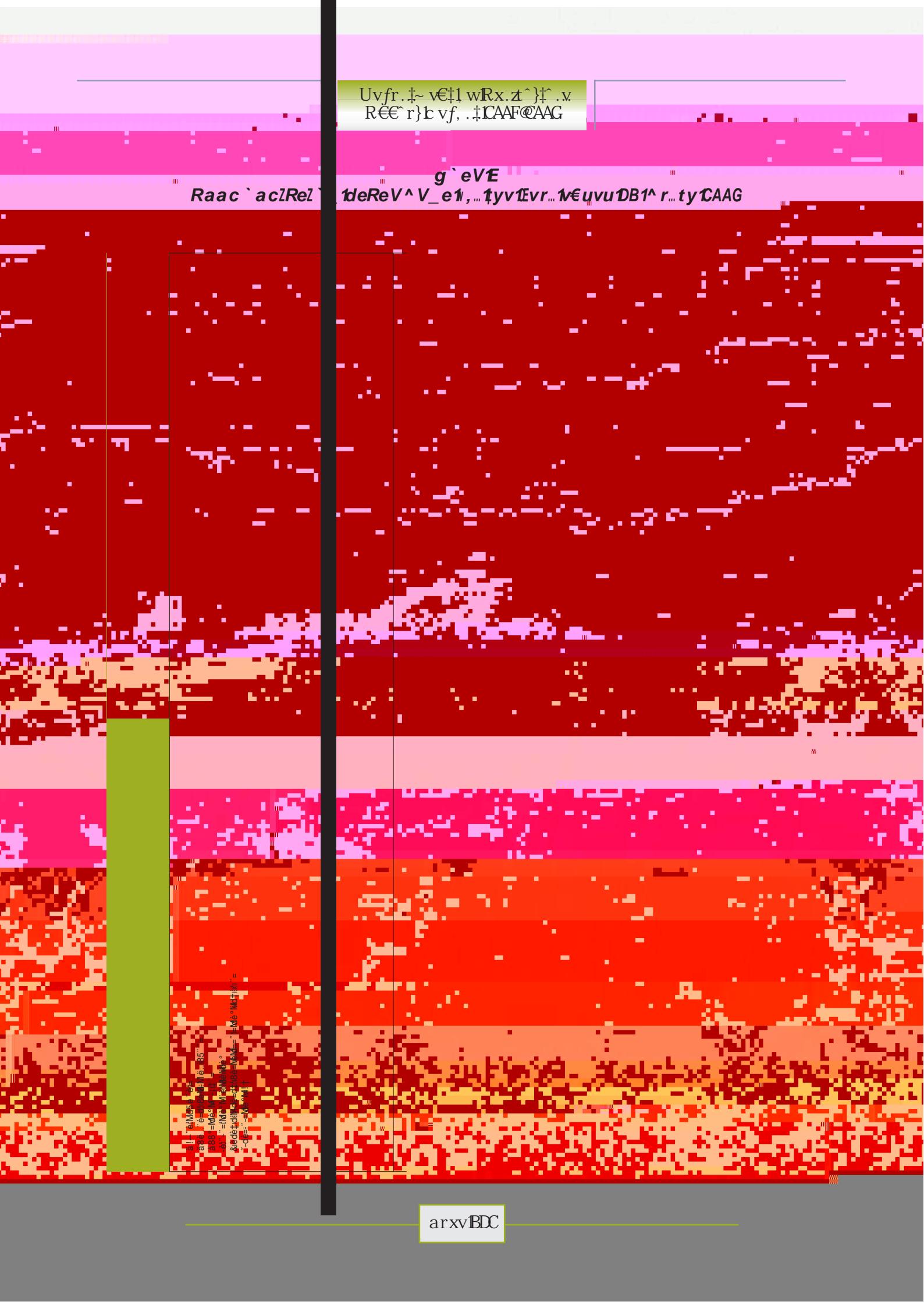
Uvfr.‡~v€‡1wRx.z‡^}‡^.v
R€€r}‡vf, .‡CAAFC@AAG









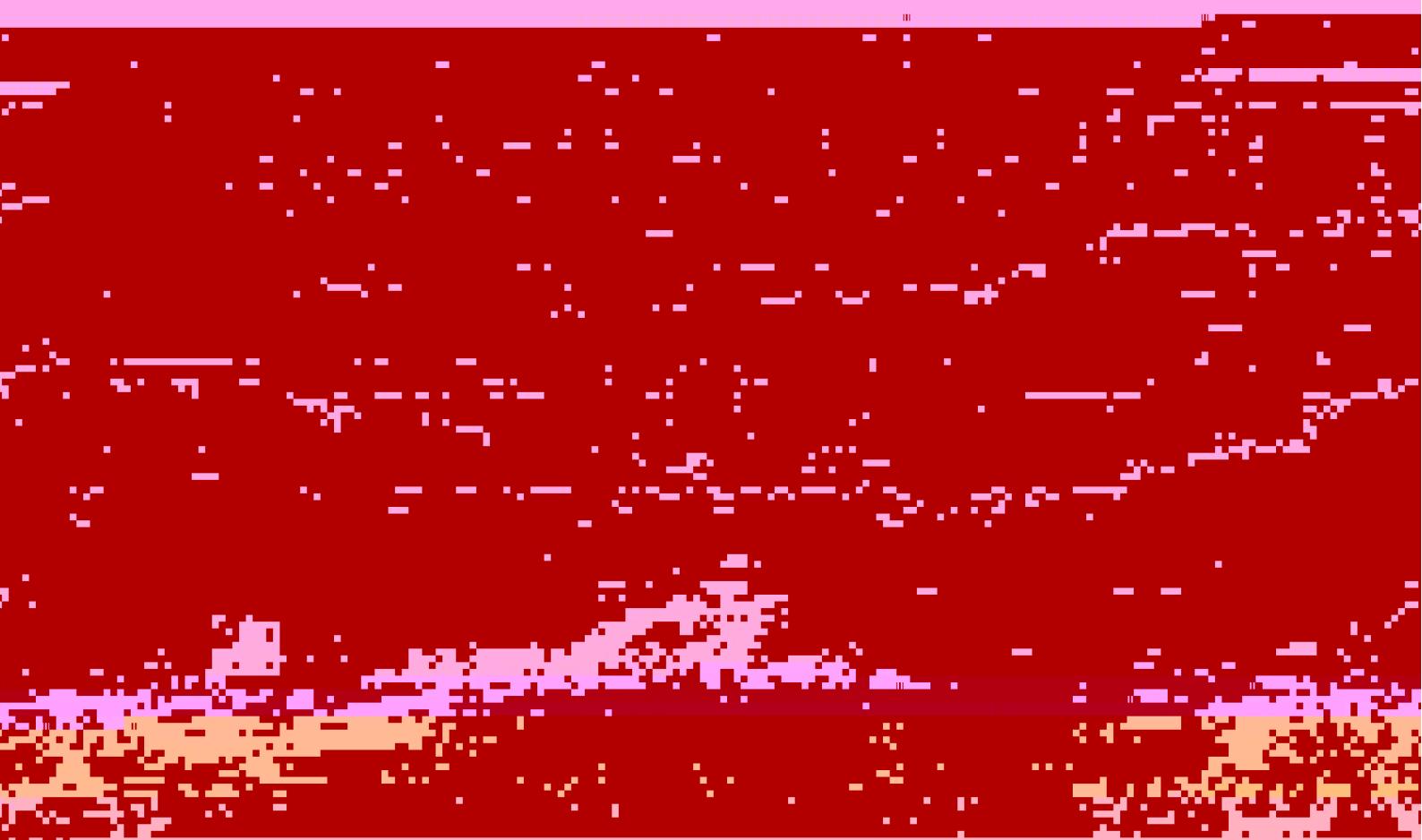


Uvfr. †~ v€‡1 wRx. z‡}‡.v
R€€ r} b vf, .‡ICAAF@AAG





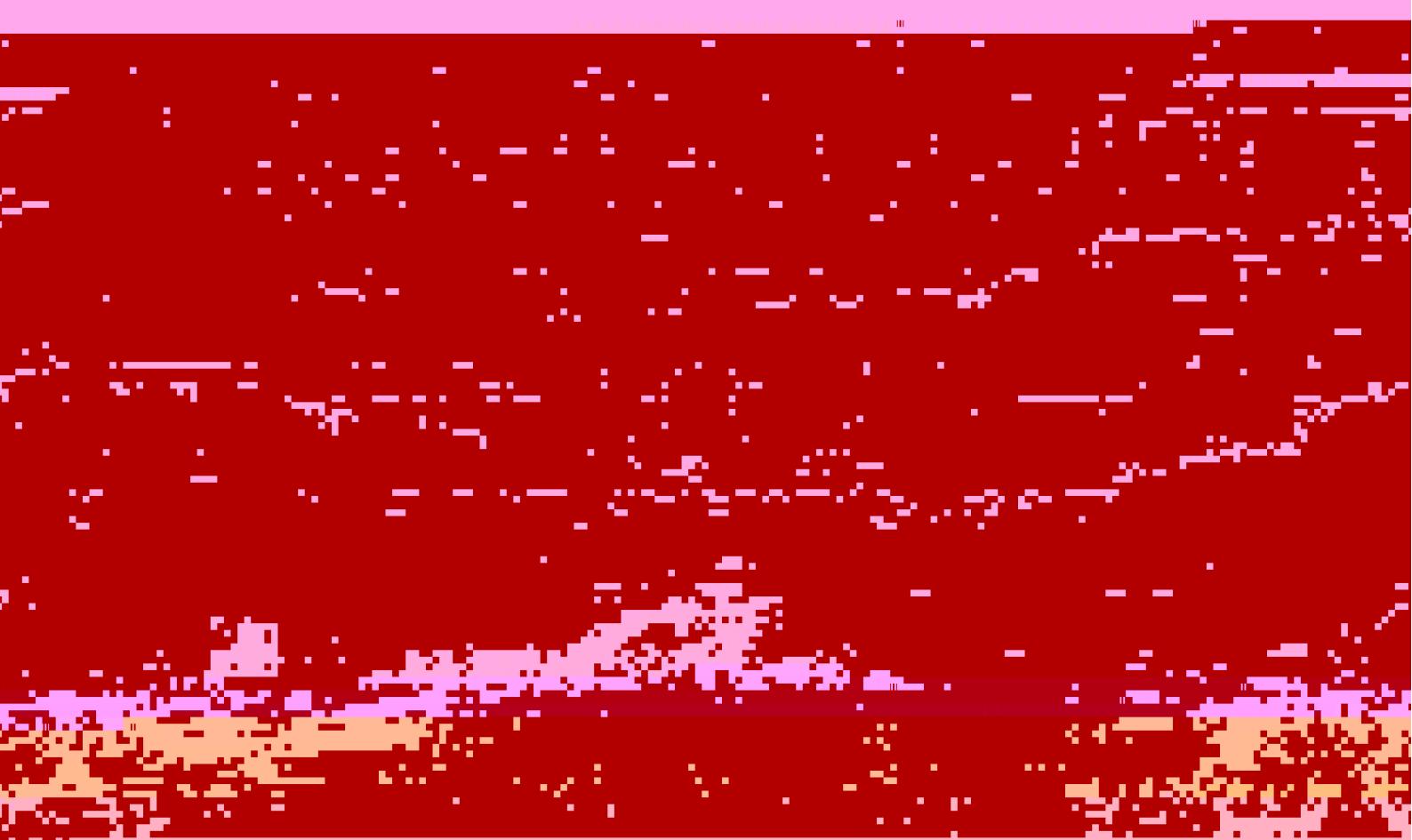
Uvfr. $\hat{z} \sim v \epsilon \hat{t}^1 w_1$







g eV

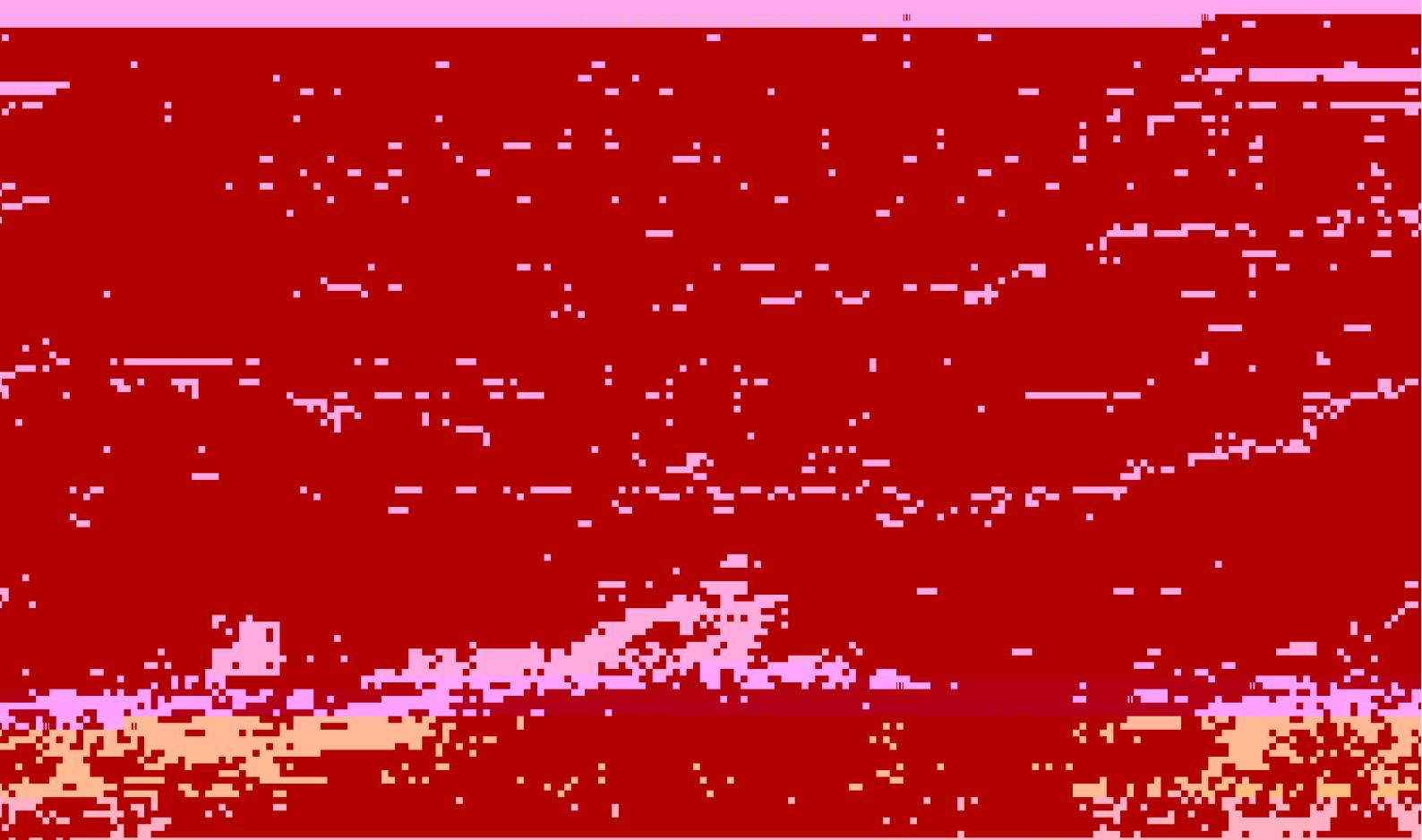


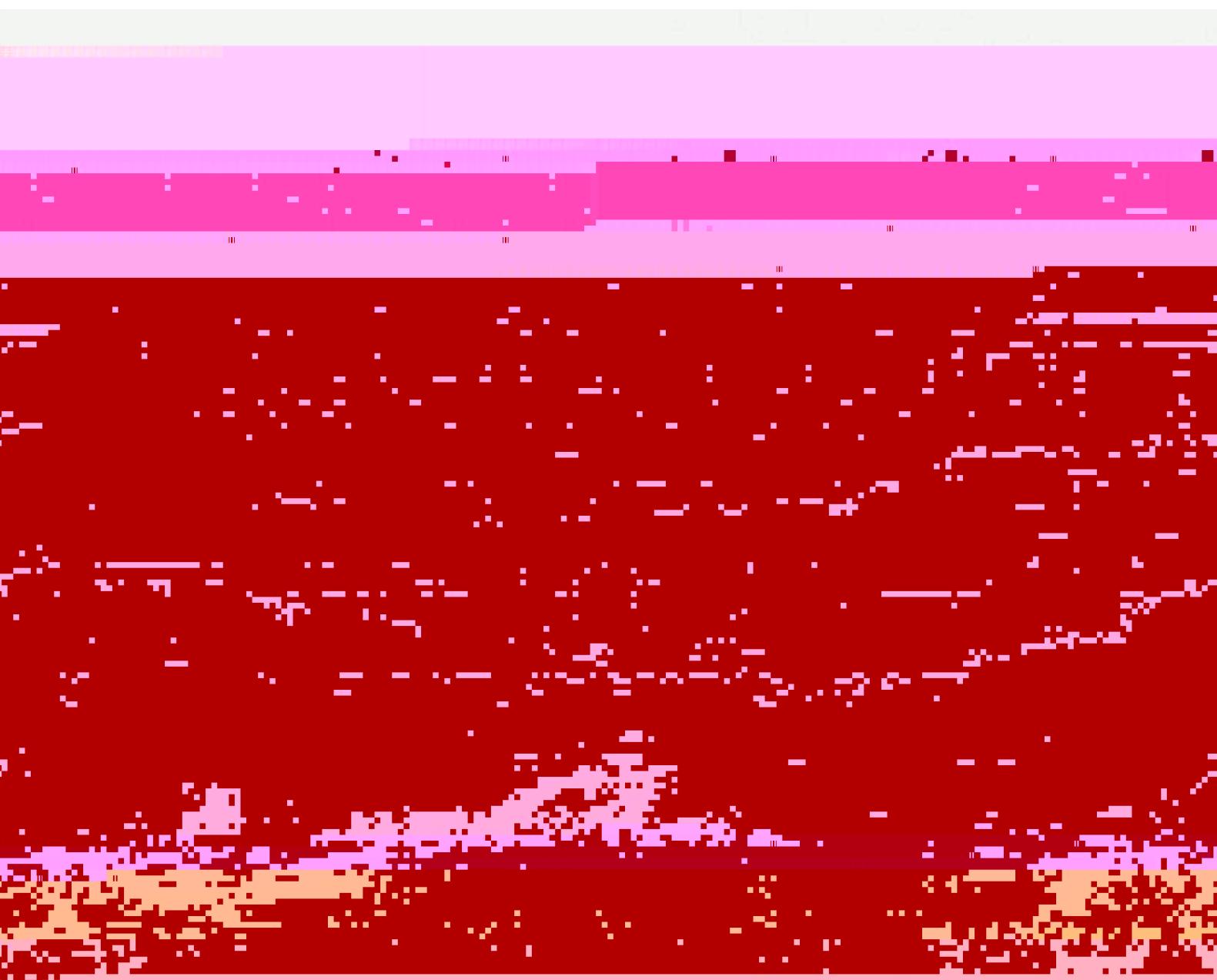
Uvfr.‡~v€‡1wRx.z‡.v
R€€r}bvf,.‡CAAF@AAG

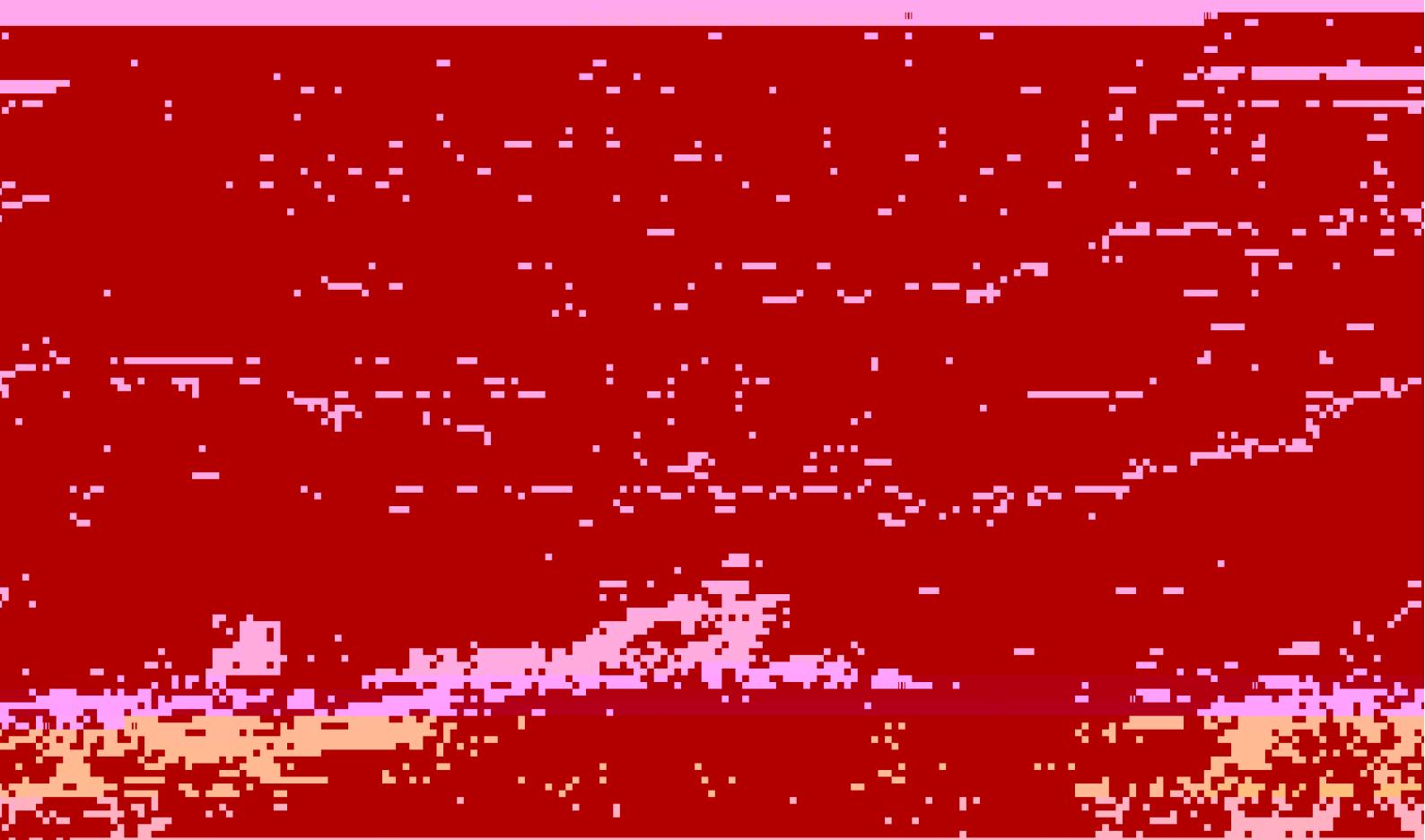
g`eVIE
TrtyW}, Š1dtrtv~v€‡1, „tyv1Evrv. 1€uvuDB1^r..tyCAAG

ää] ^Nä | c]N [| bM { a[ä` \äää -.- -.- -.-
["f" .. b= M .. L8°-M f:8r" .
]M‡ M M -8-]-8-M

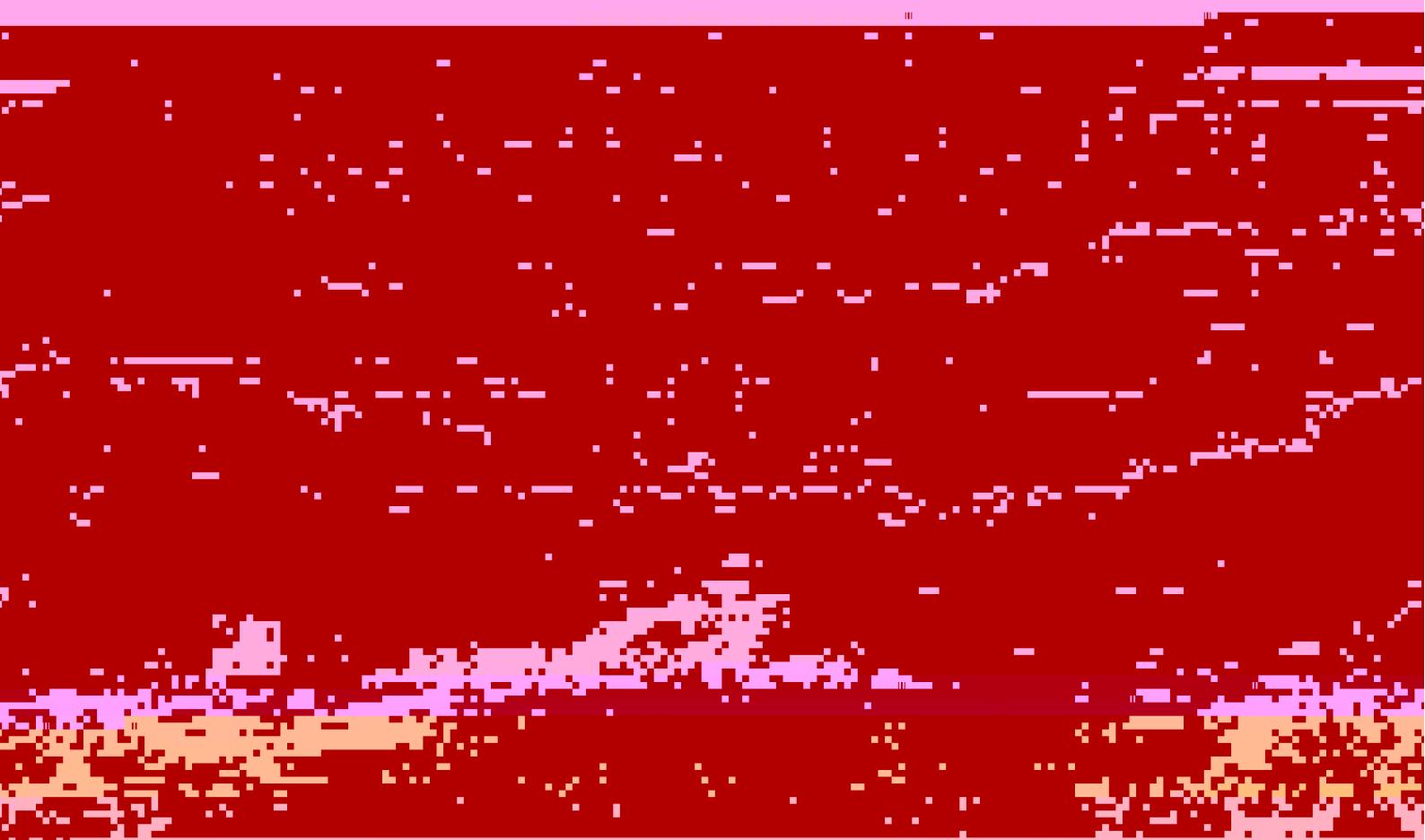
Uvfr. †~ v€‡1 wRx. z‡ .v
R€€ r} b vf, .‡ICAAF@AAG







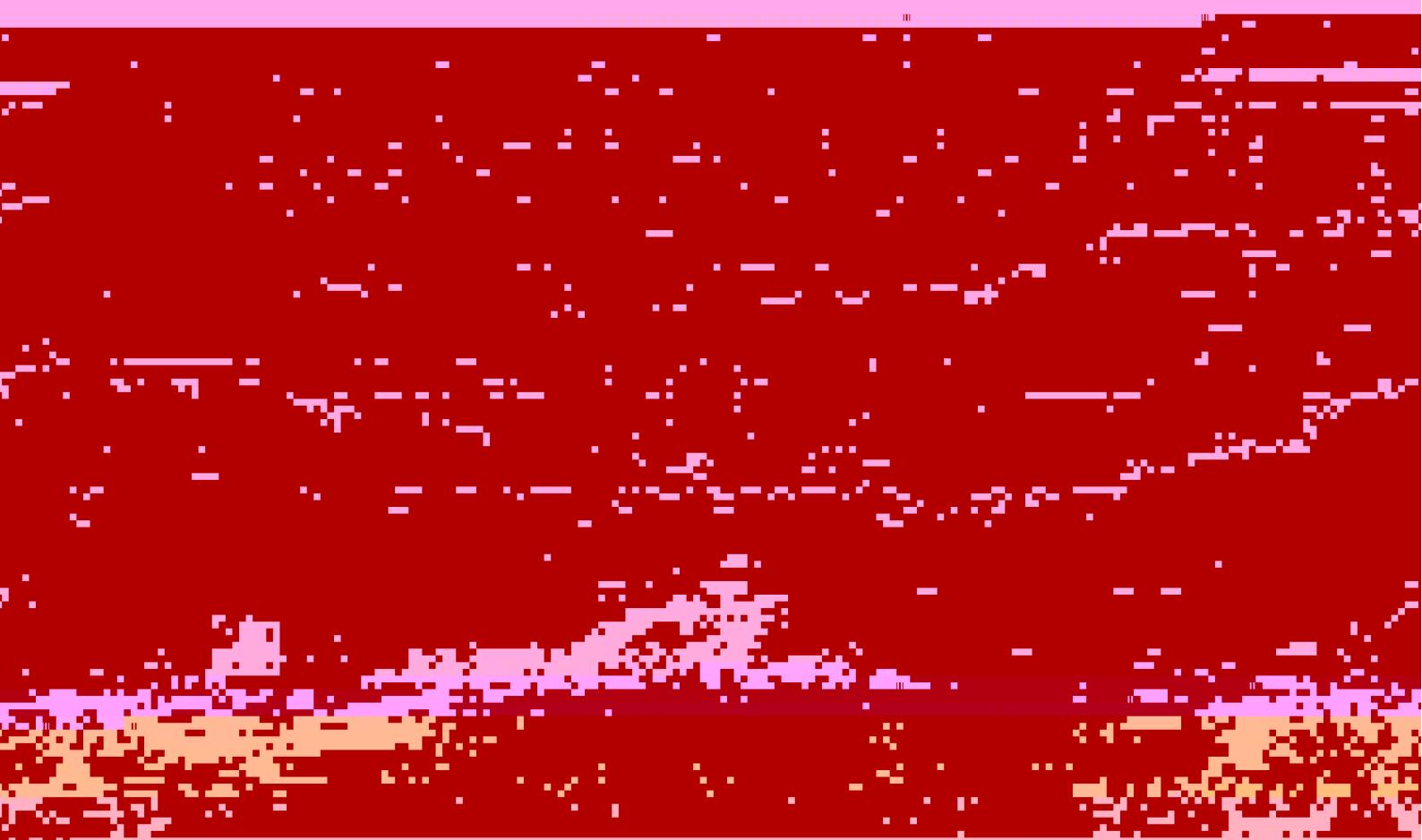
Uvfr. †~ v€‡1 wRx. z‡ .v
R€€ r} b vf, .†ICAAF@AAG



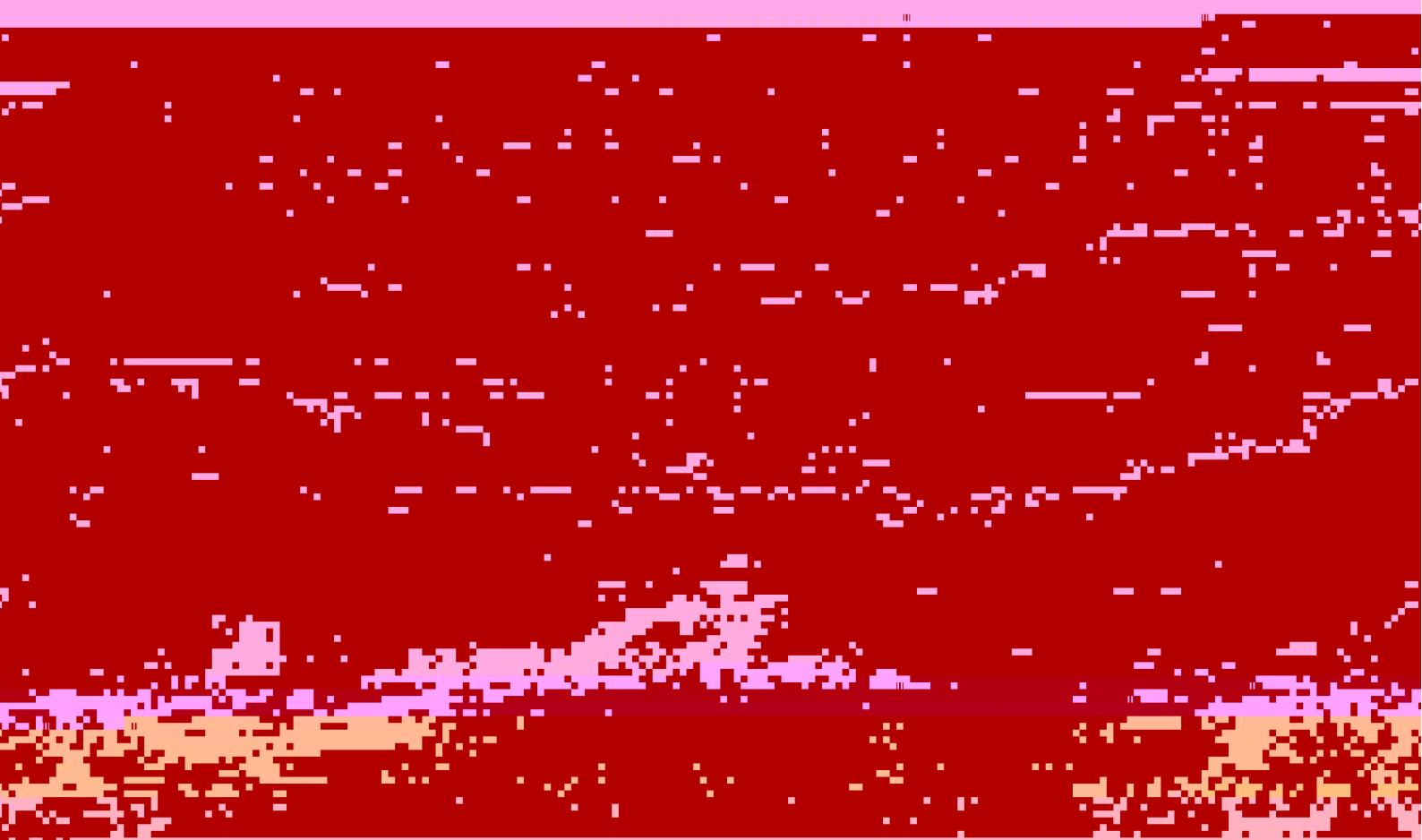




Uvfr. †~ v€‡1 wRx. z‡ .v
R€€ r} b vf, .‡ICAAF@AAG



Uvfr. $\not\sim$ v $\not\in$ l wUv





Uvfr.‡~v€‡1wRx.z‡.v
R€€r}bvf,.‡CAAF@AAG

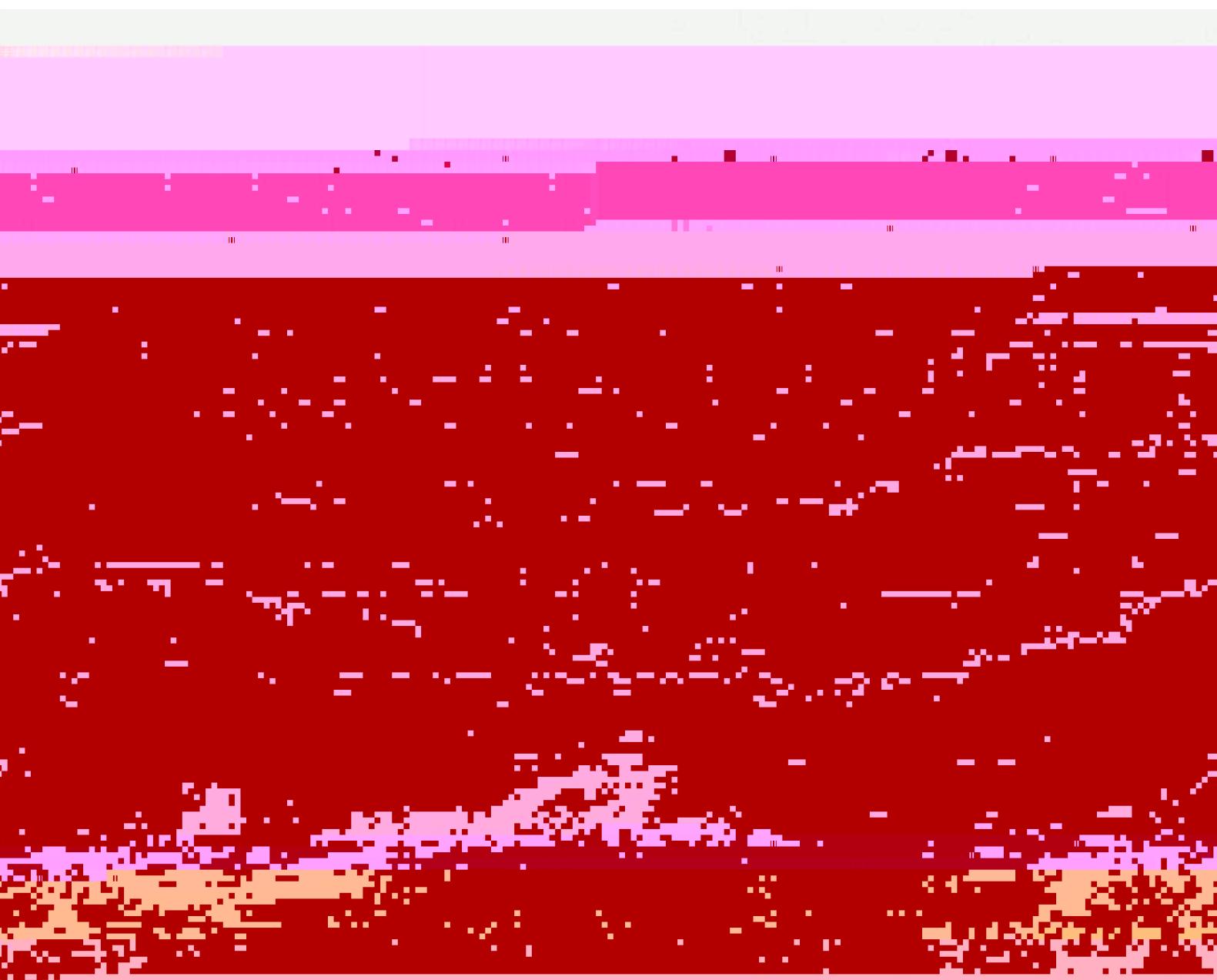
g`eVIE

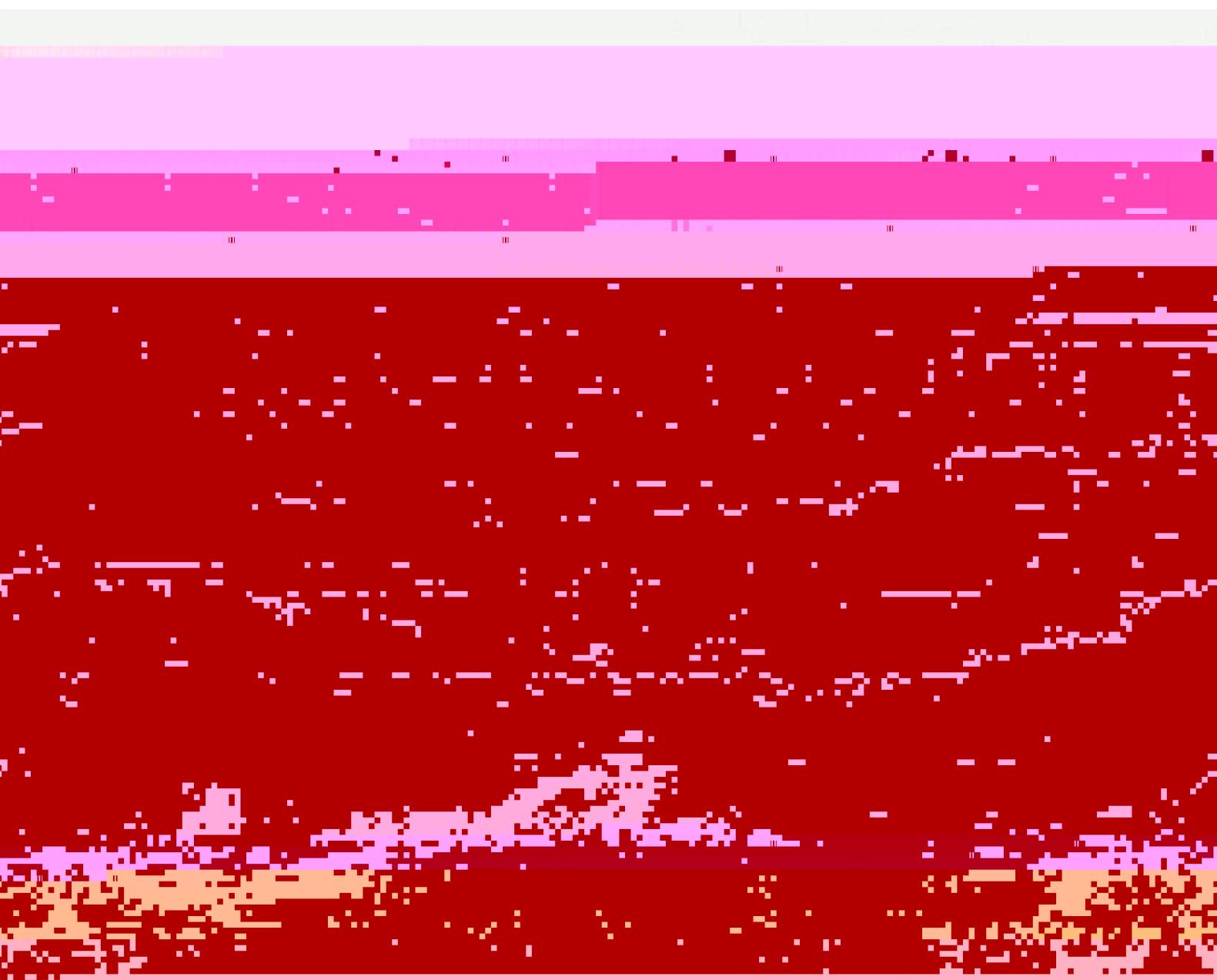
R€€^r}1Wz€r€tzr)1d†r†v~v€‡t1
W...tyv‡evr...1€uvuDB1^r...ty CAAG

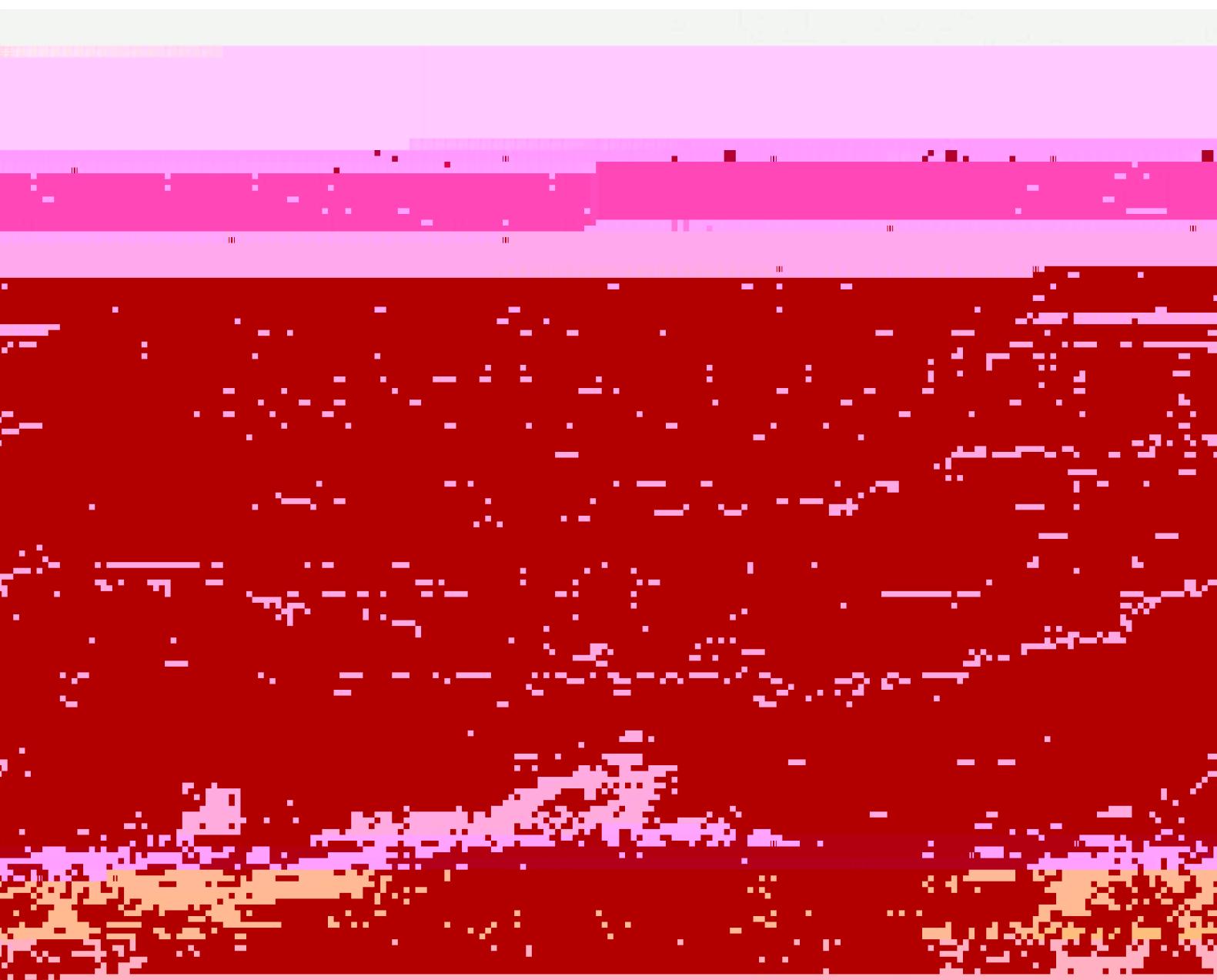
â\`à à` | [M

Uvfr. †~ v€‡1 wRx. z‡ .v
R€€ r} b vf, .‡ICAAF@AAG







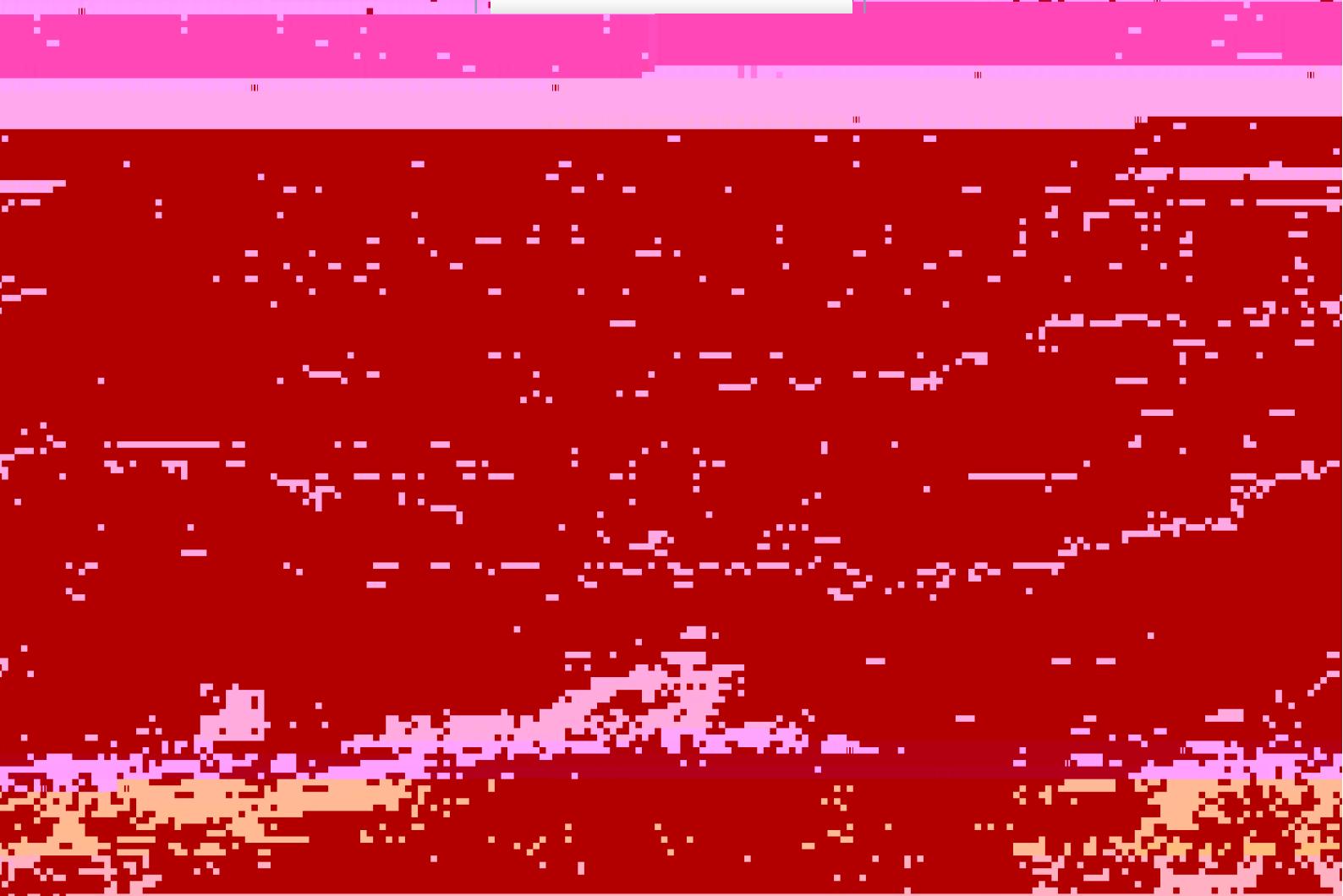


Uvfr. †~ v€†1 wRx. †^ }† .v.
R€€ r} b vf, .†1CAAF@AAG

Yc1`gVcdZYYe1b1RaCl7`CAAF1,1^RcTYCAAG1b1]z~f,f,1^Rx_zt^?`^v
eRS]VEB1[],sM^mr)Rjz,€

ä8 f "-Mérim". Nā | " = NRUOM
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ä8èl-d|M" dè|M
] éim". Nā | " = NRU

Uvfr.‡~v€‡1wRx.z‡^}‡.v



Uvfr. $\exists \sim v \in \{wRx, z^*\} \wedge .v$
R $\in r \} \vdash vf, . \models 1$

Uvfr. $\hat{f} \sim v\epsilon$

