
Pause


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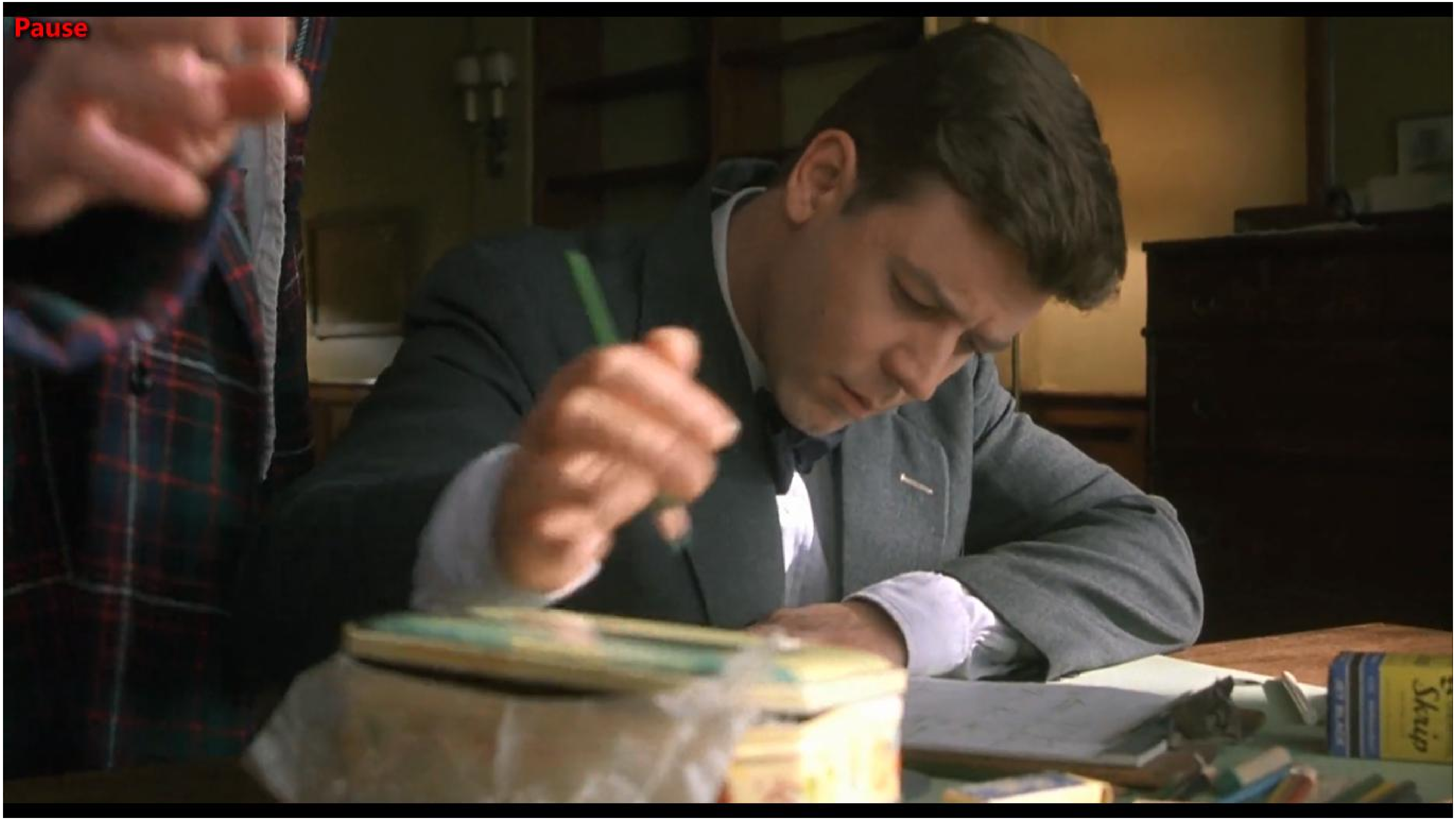
Pause


Pause
αi βj
i=1..4 j=1..3


Pause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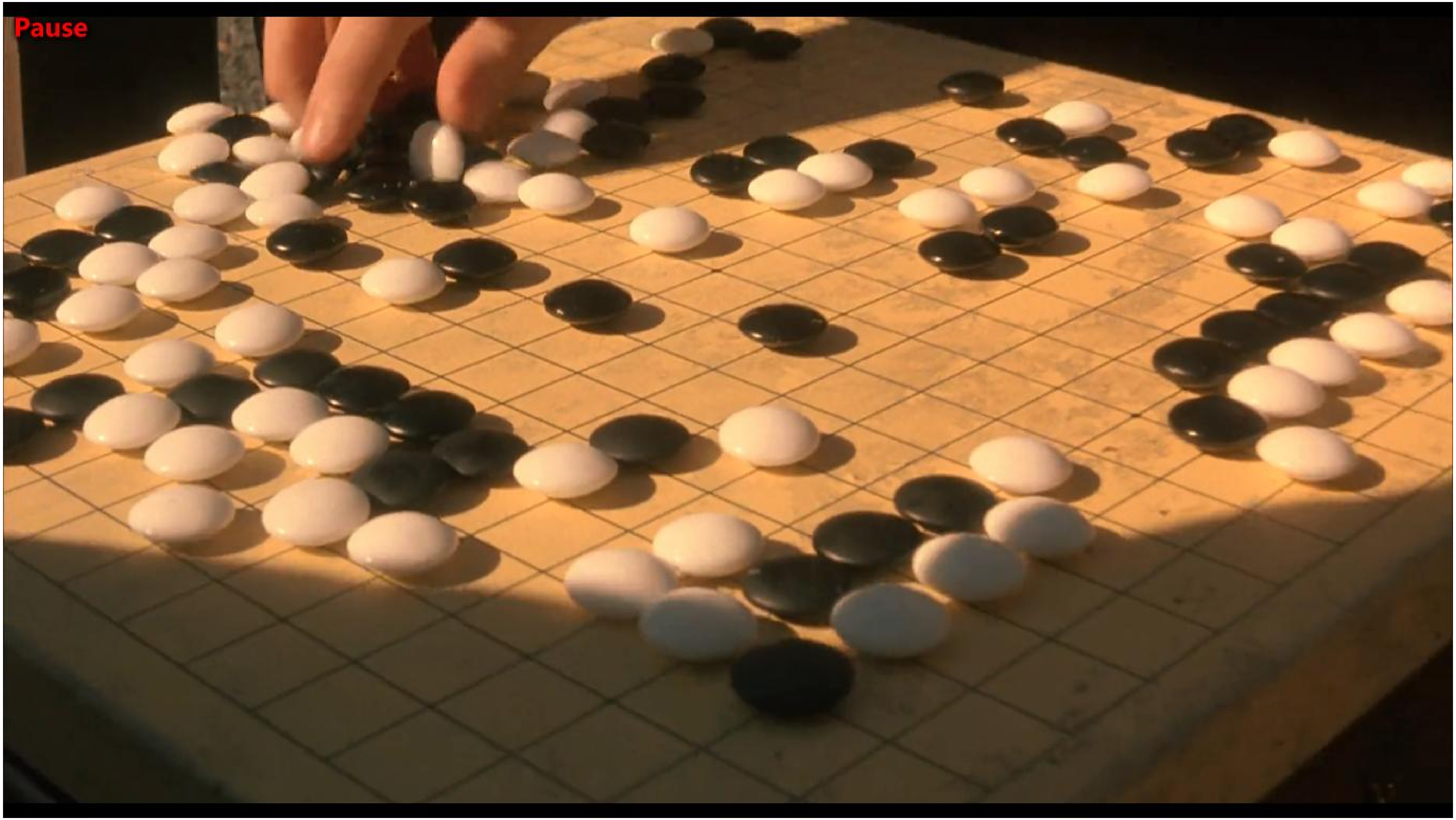
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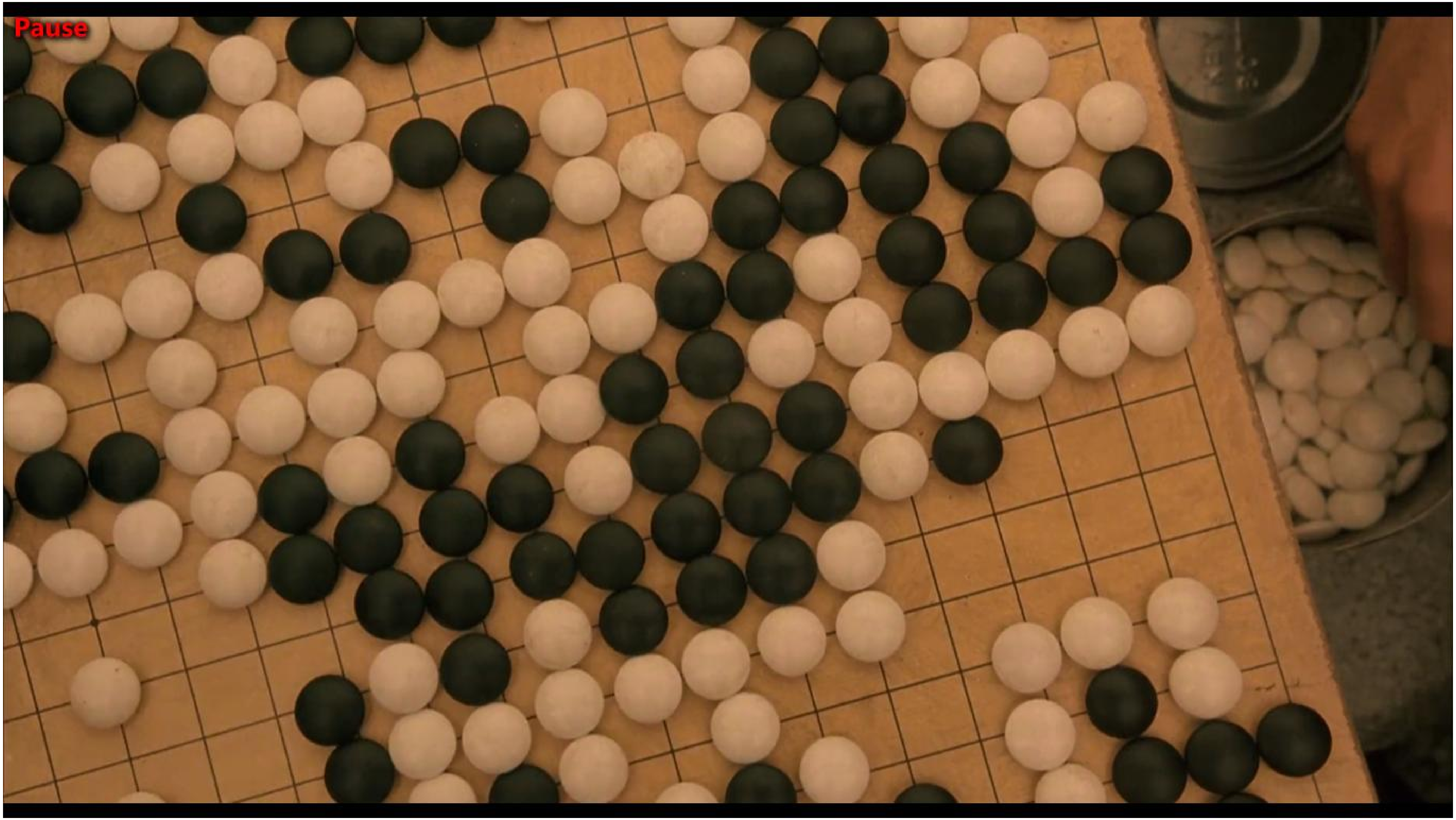
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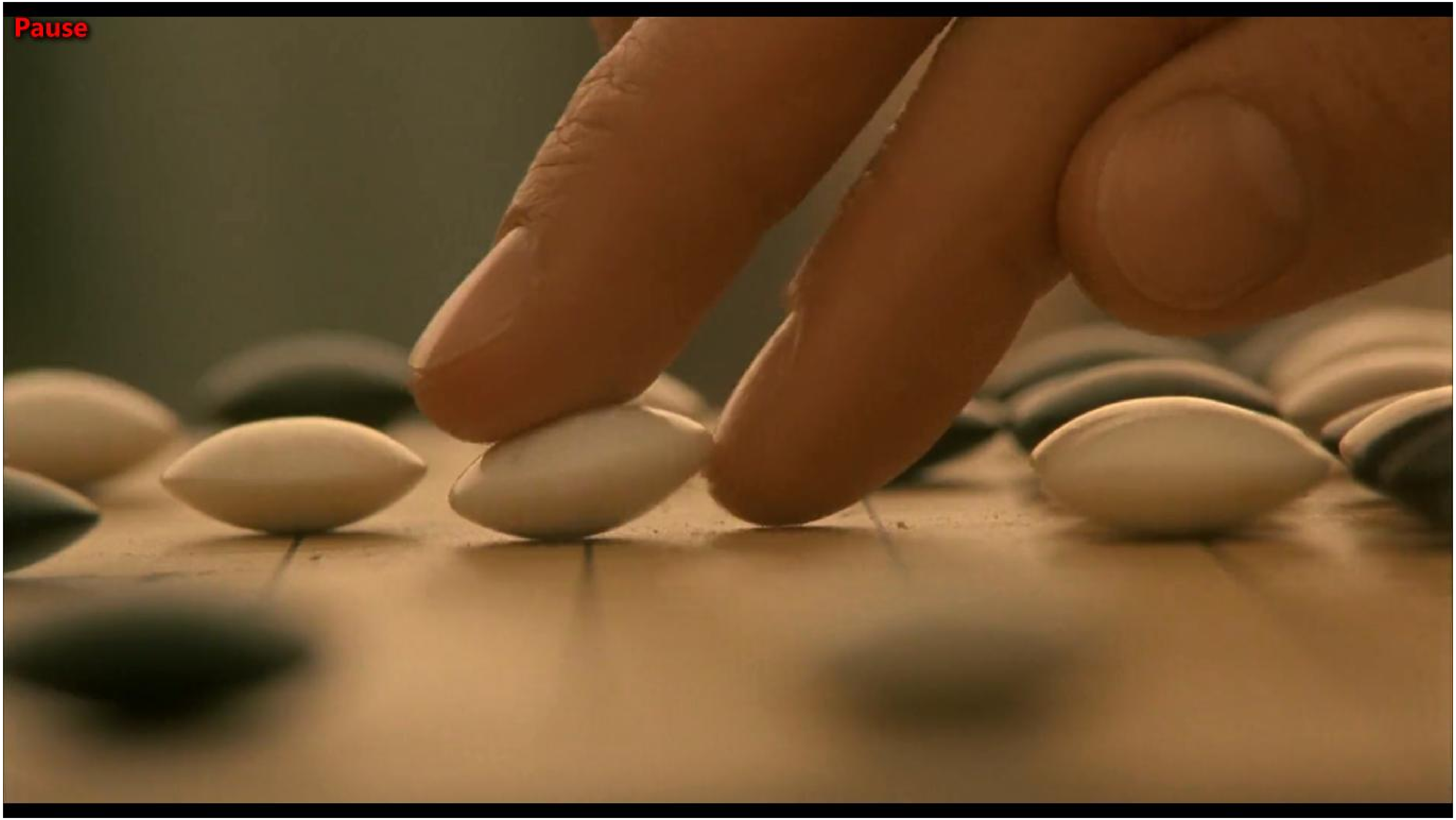
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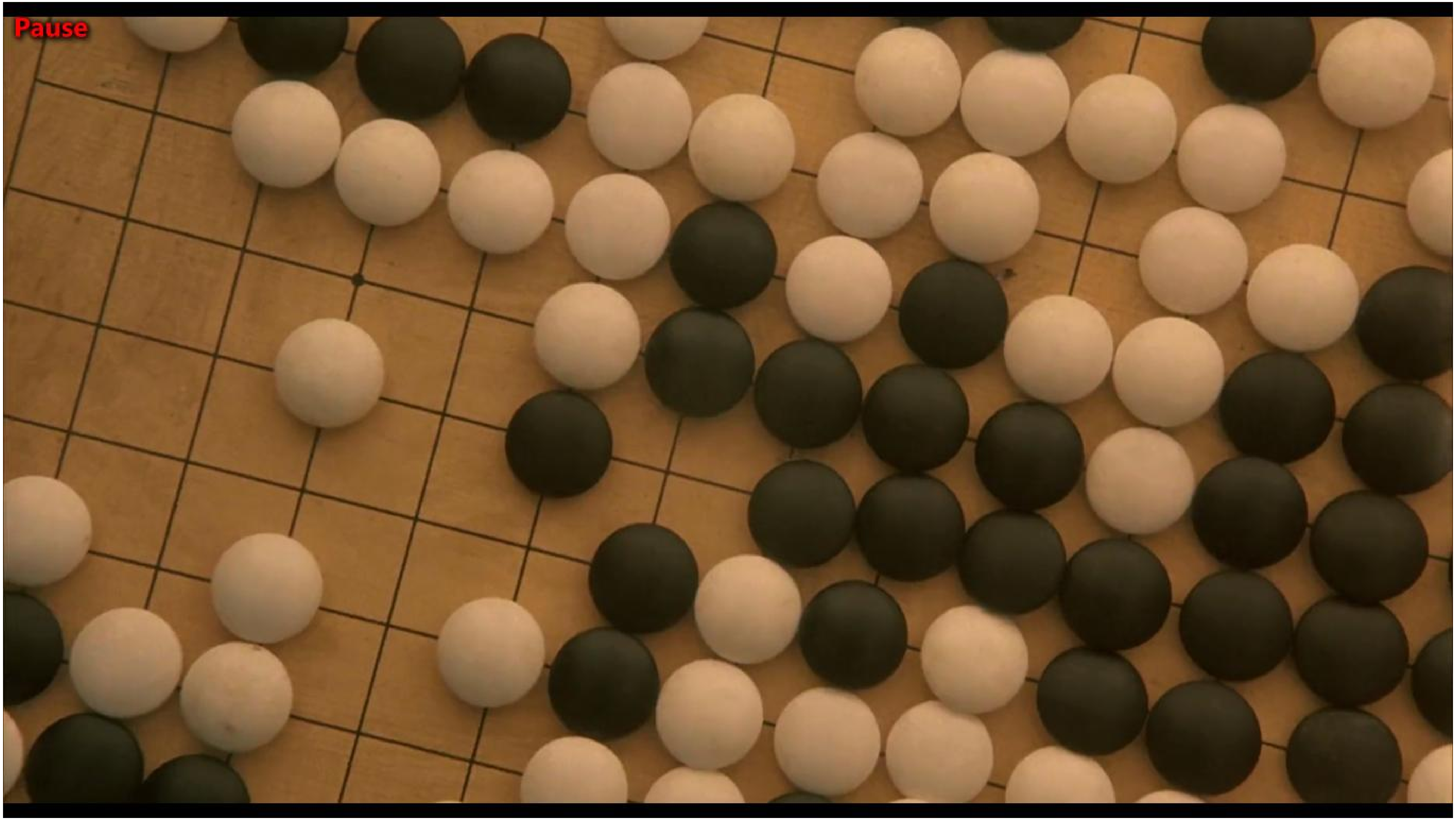
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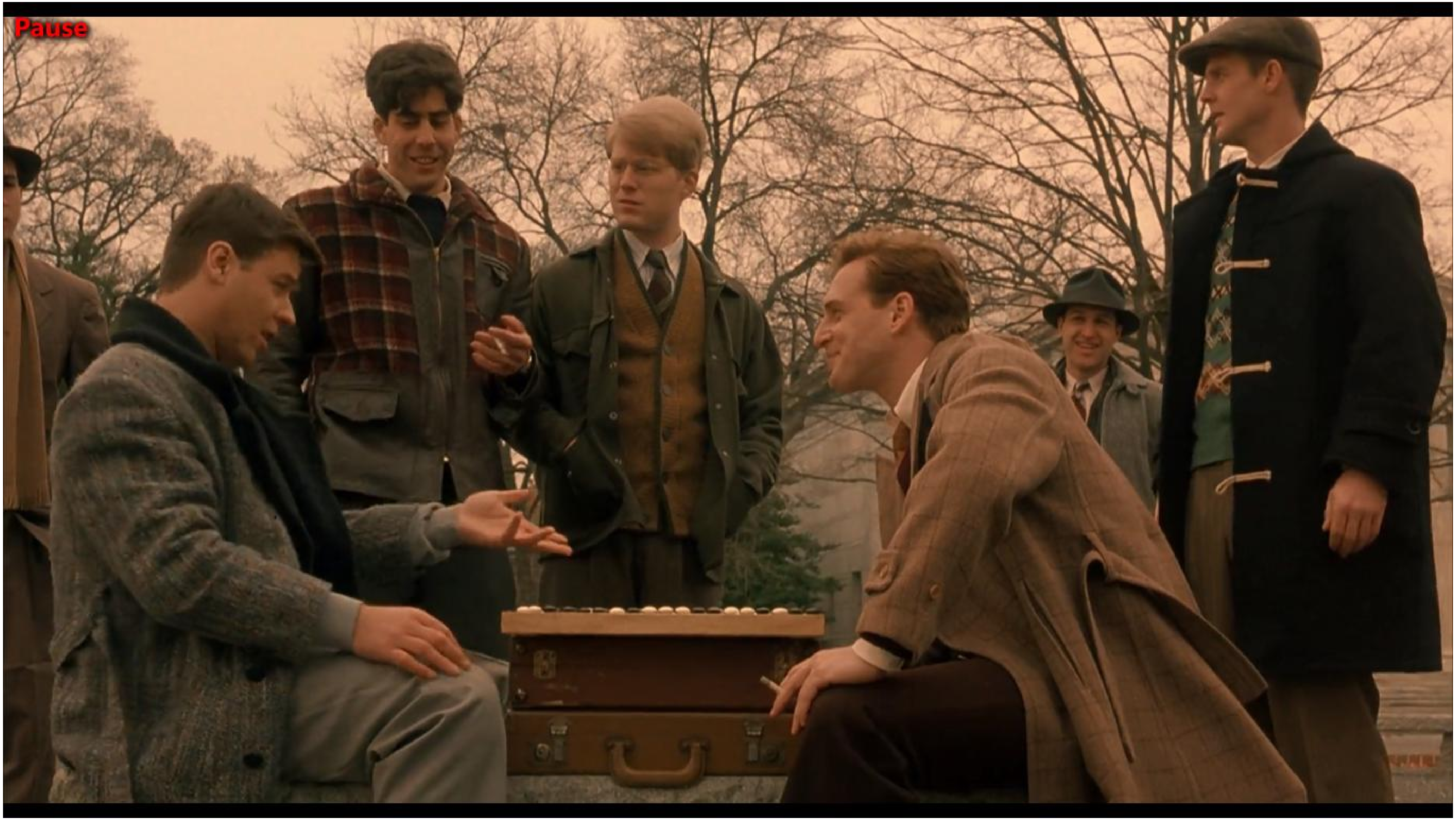
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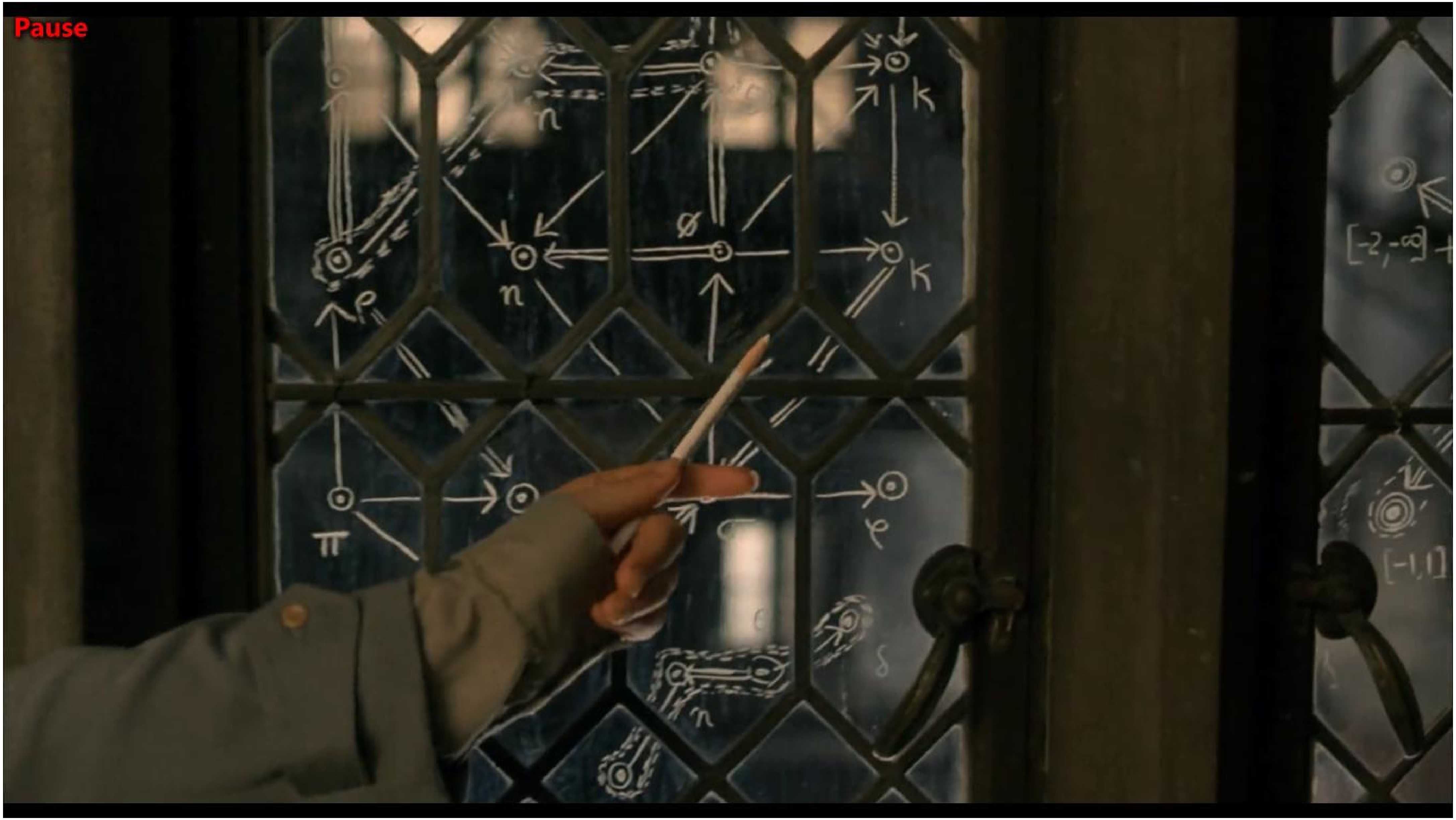
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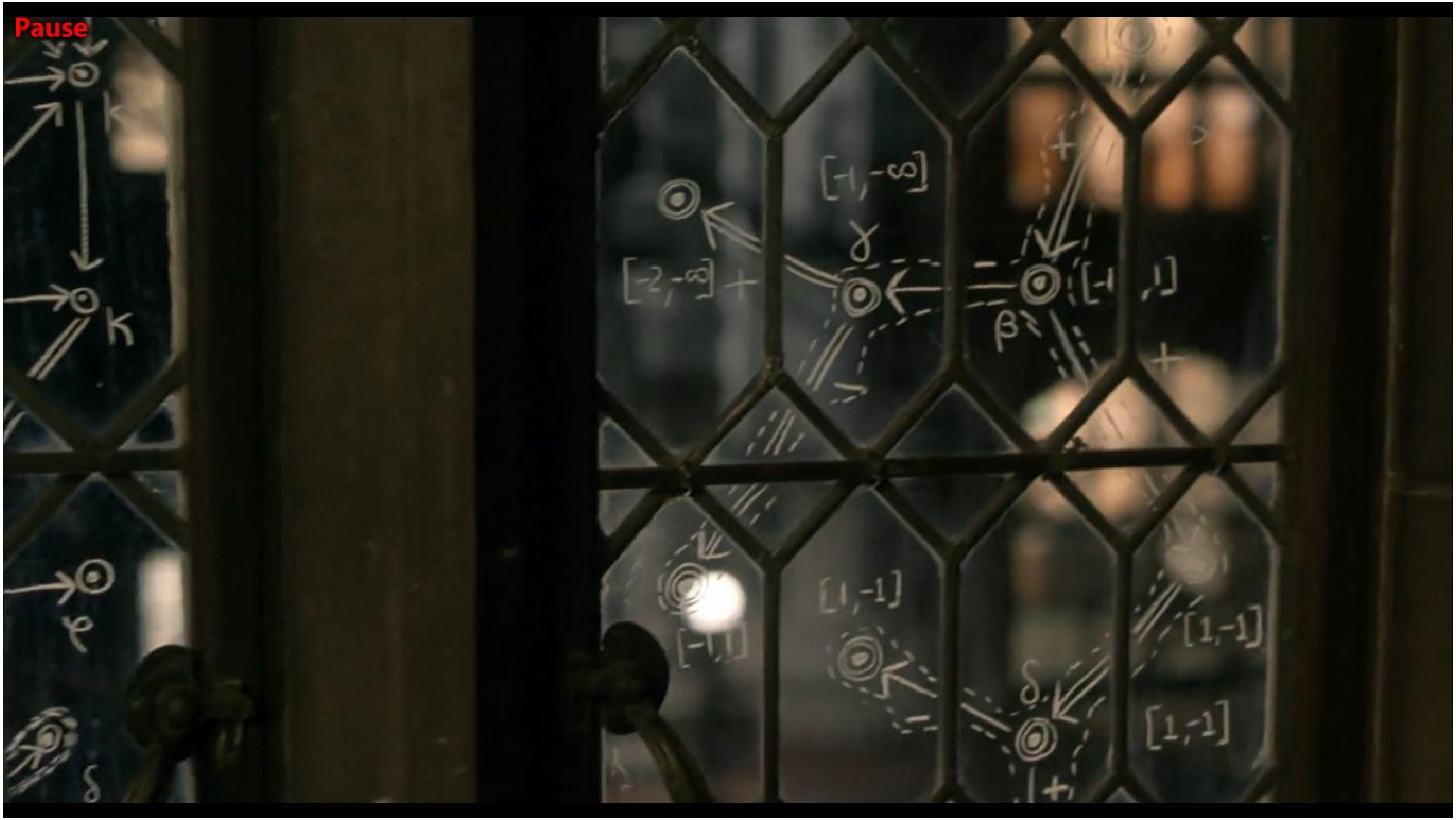
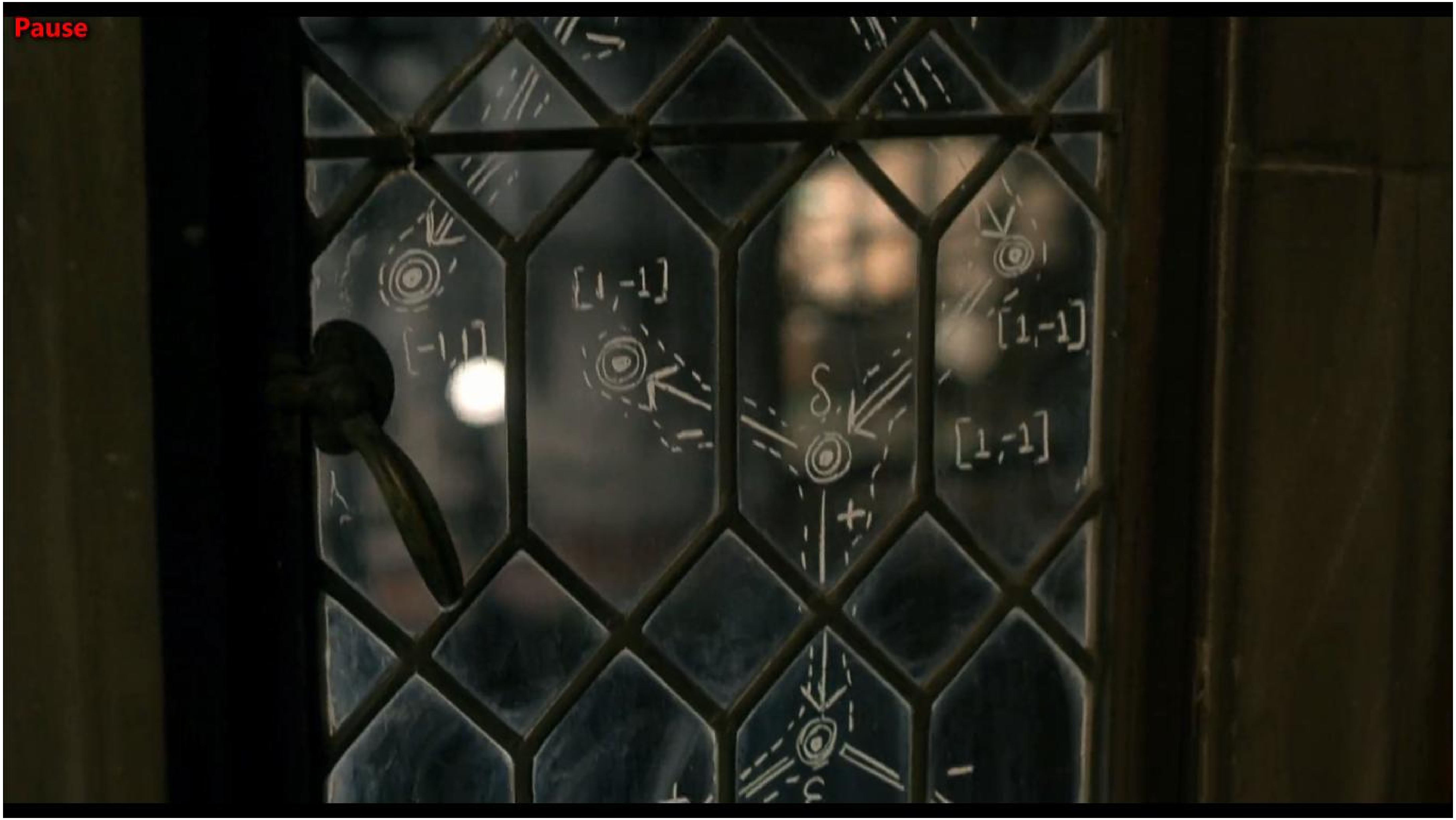
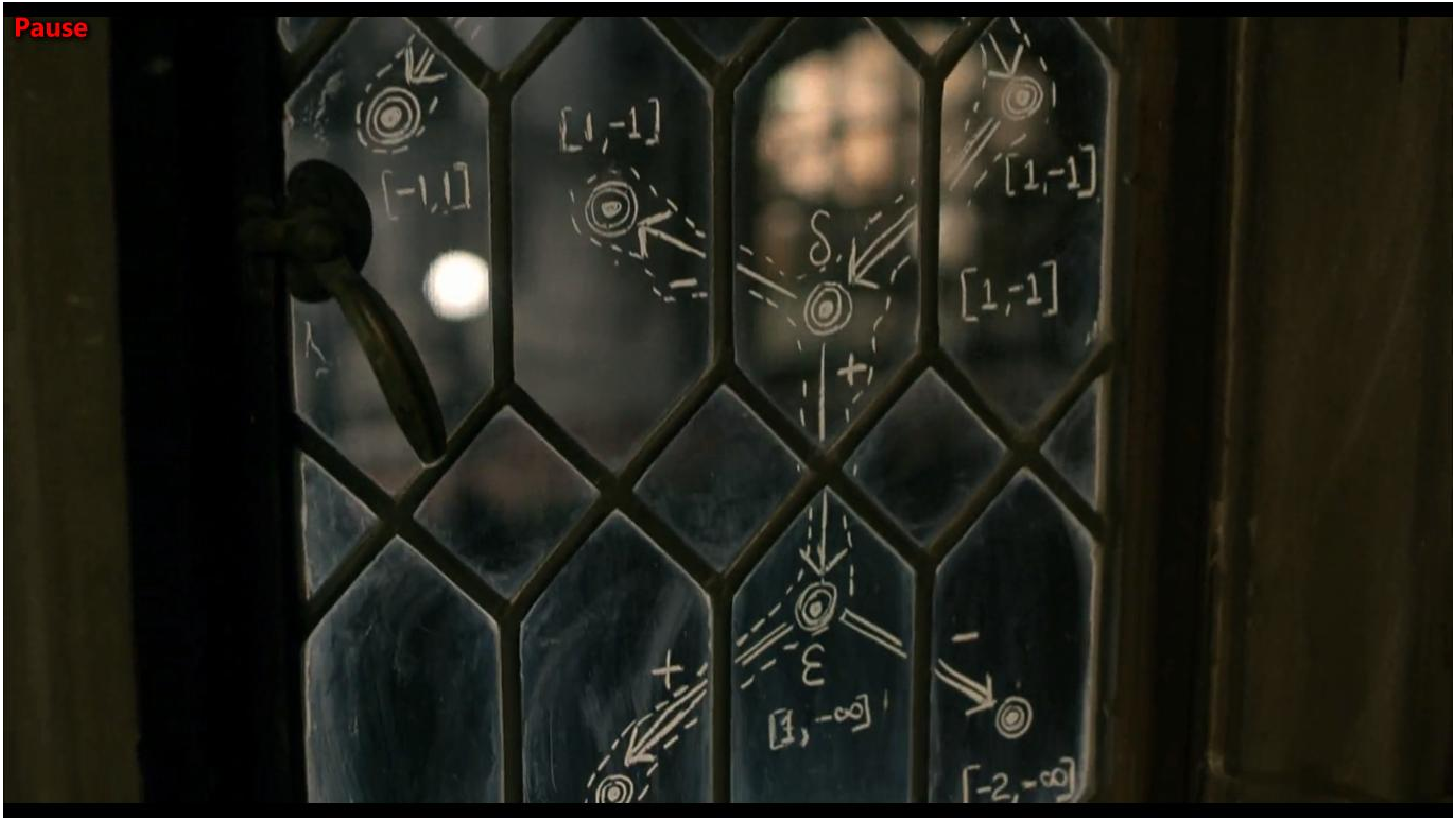
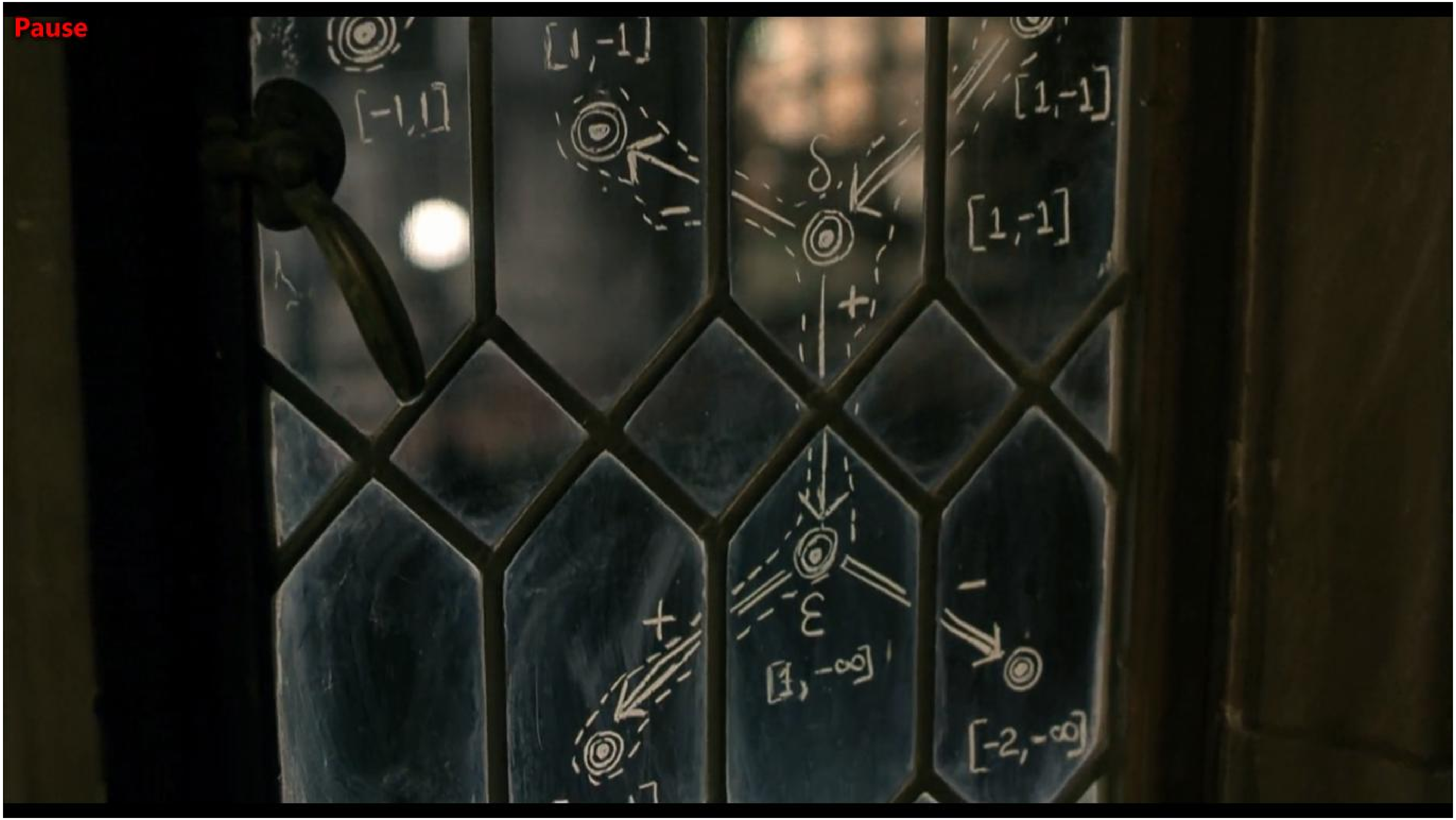

Pause
[-1,-∞]
γ
[-2,-∞]
+
β
+
κ
κ
[1,-1]
[1,-1]
δ
[1,-1]
δ


Pause
[1,-1]
[-1,1]
[1,-1]
[1,-1]
δ
+


Pause
[1,-1]
[-1,1]
δ
[1,-1]
[1,-1]
+
+
ε
-
[1,-∞]
[-2,-∞]


Pause
[1,-1]
[-1,1]
[1,-1]
[1,-1]
δ
+
−
ε
+
−
[1,-∞]
[-2,-∞]


Pause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FACULTY
LOUNGE


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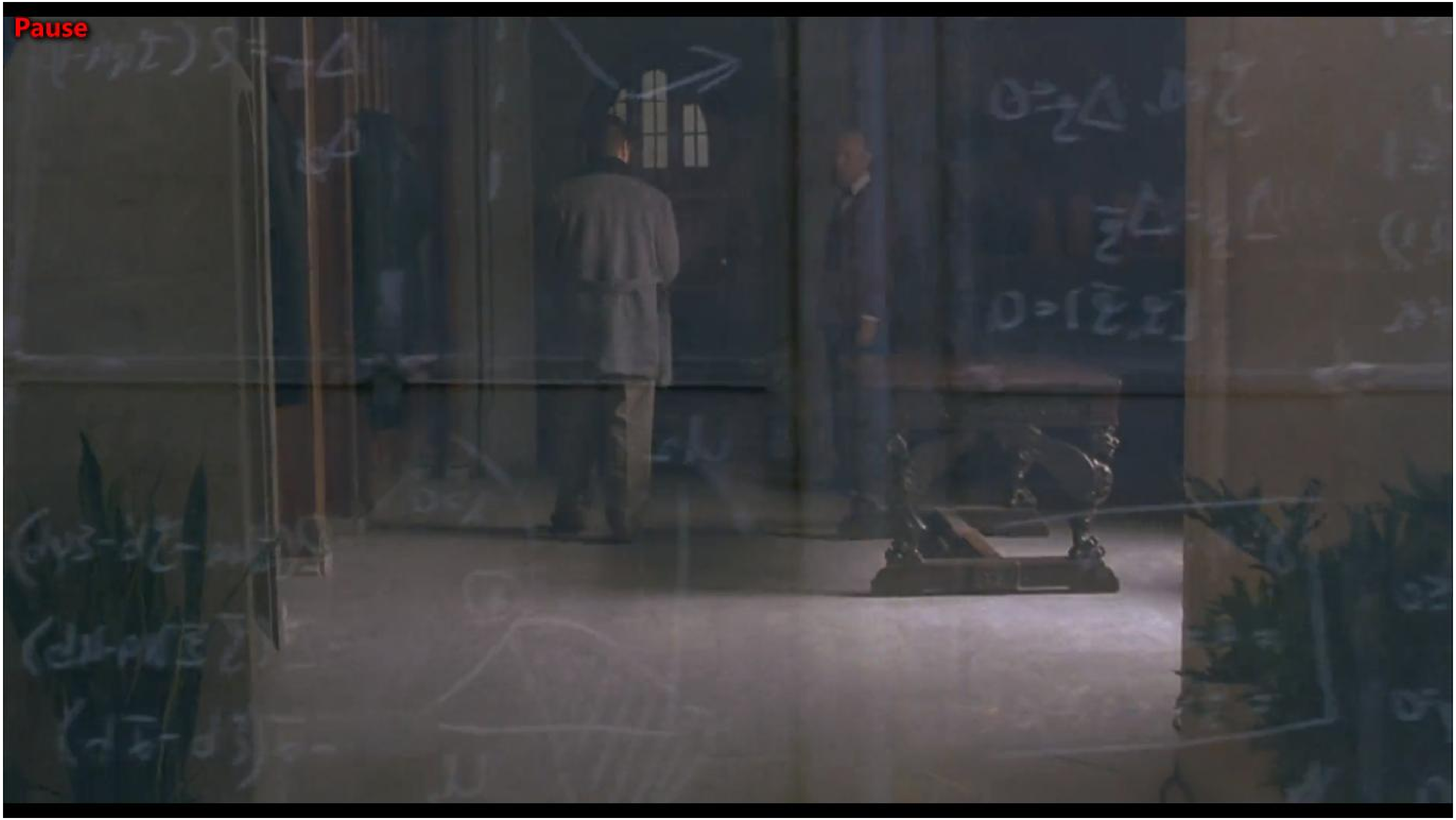
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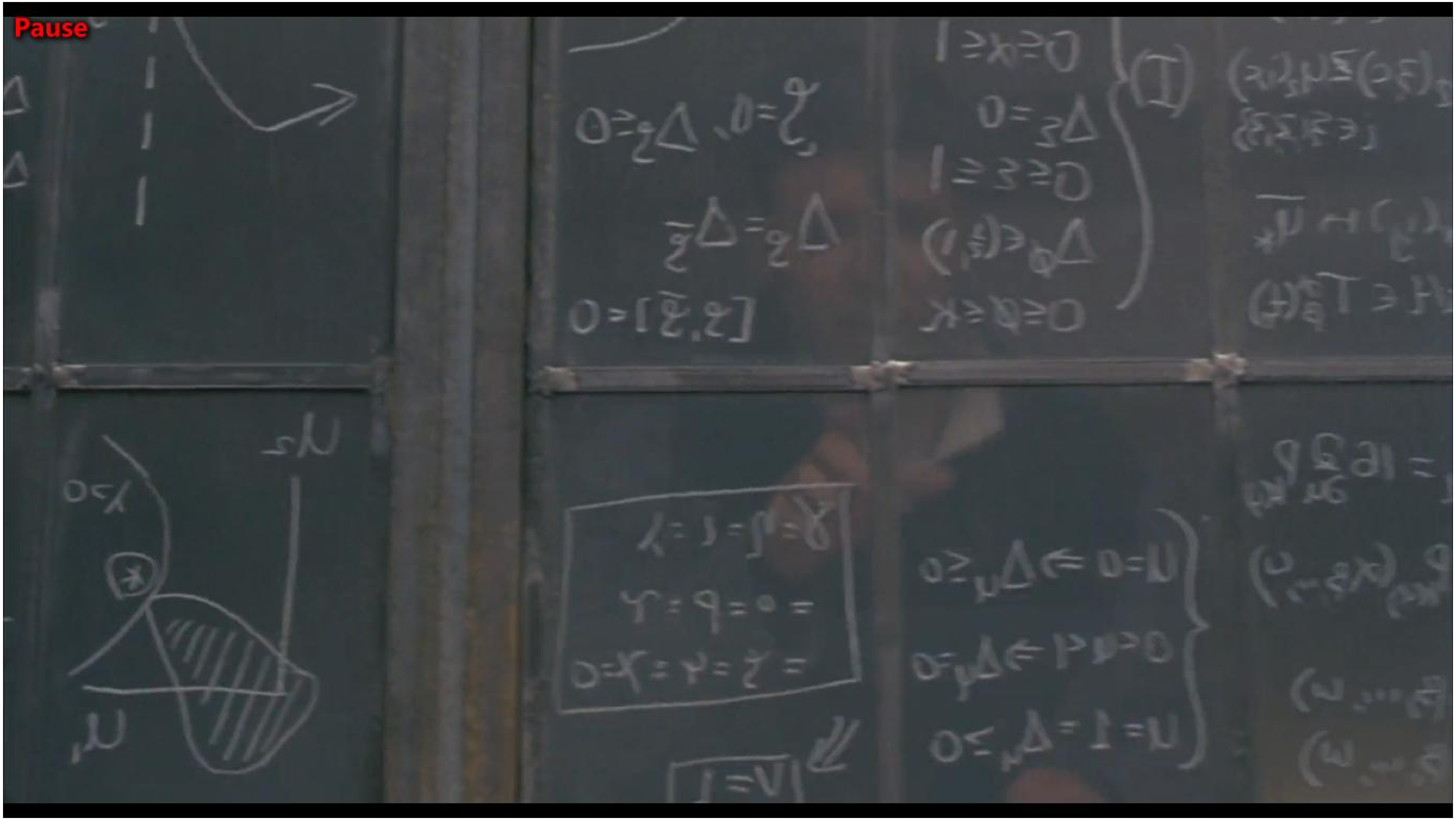
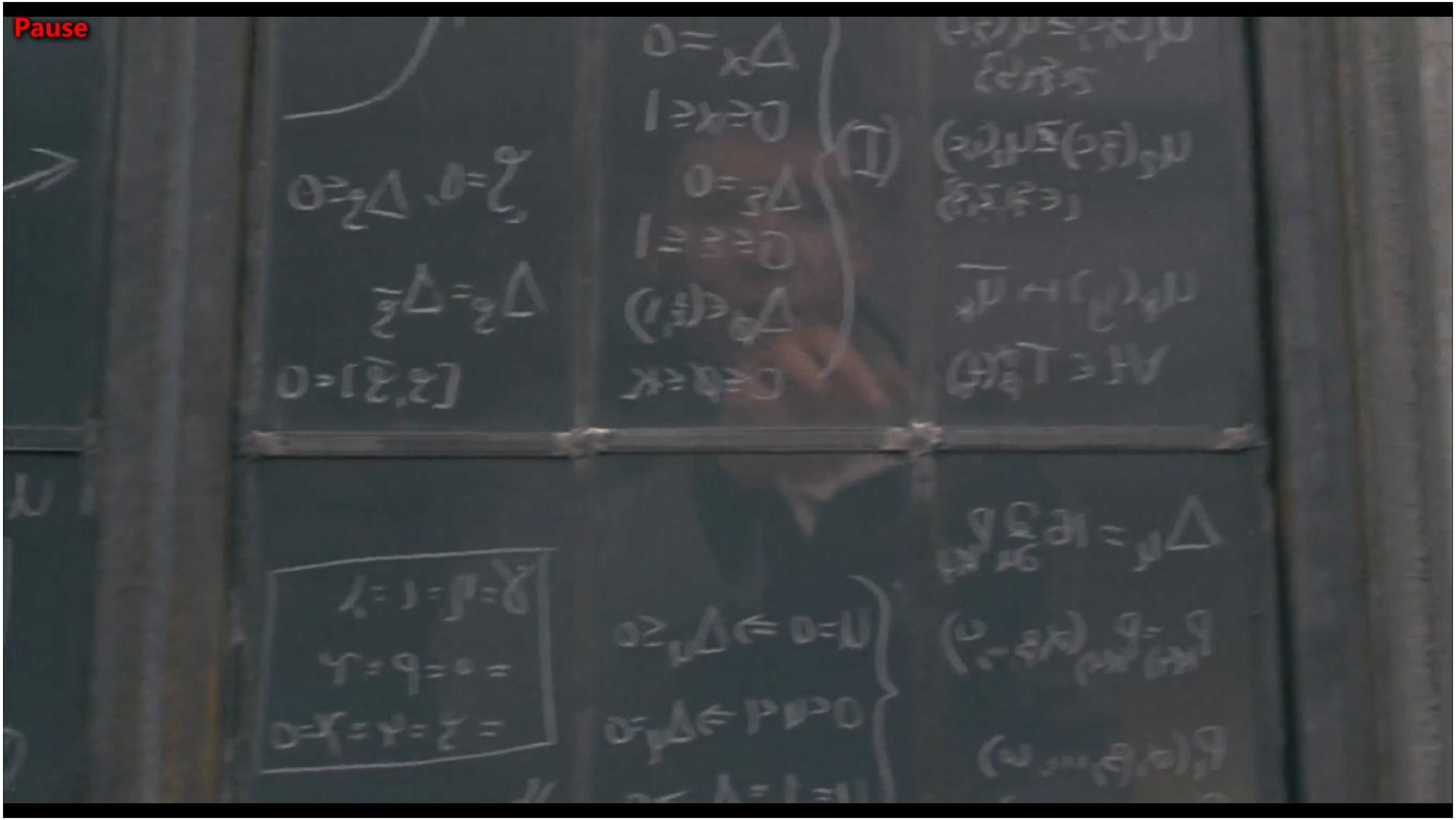
Pause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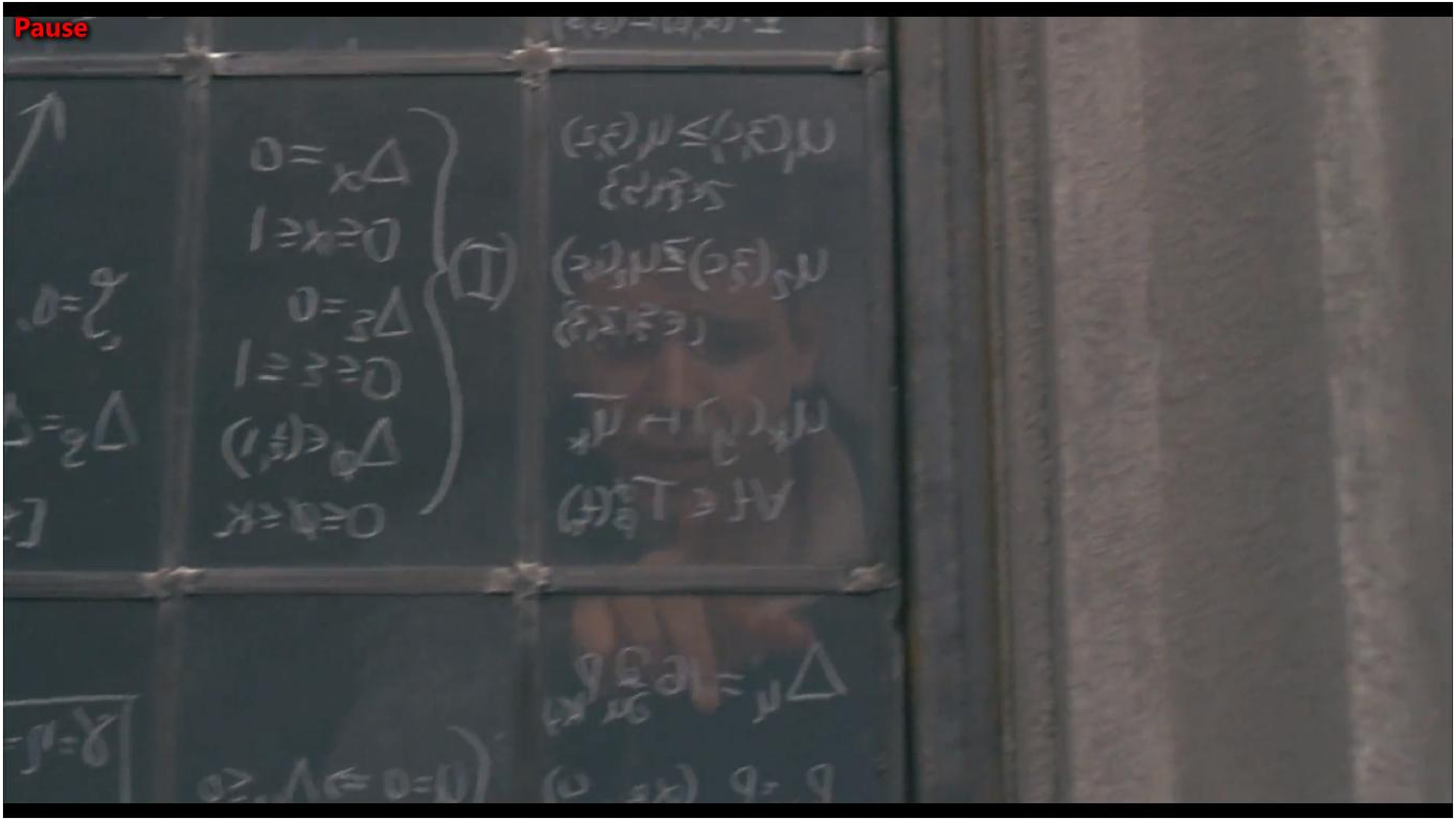
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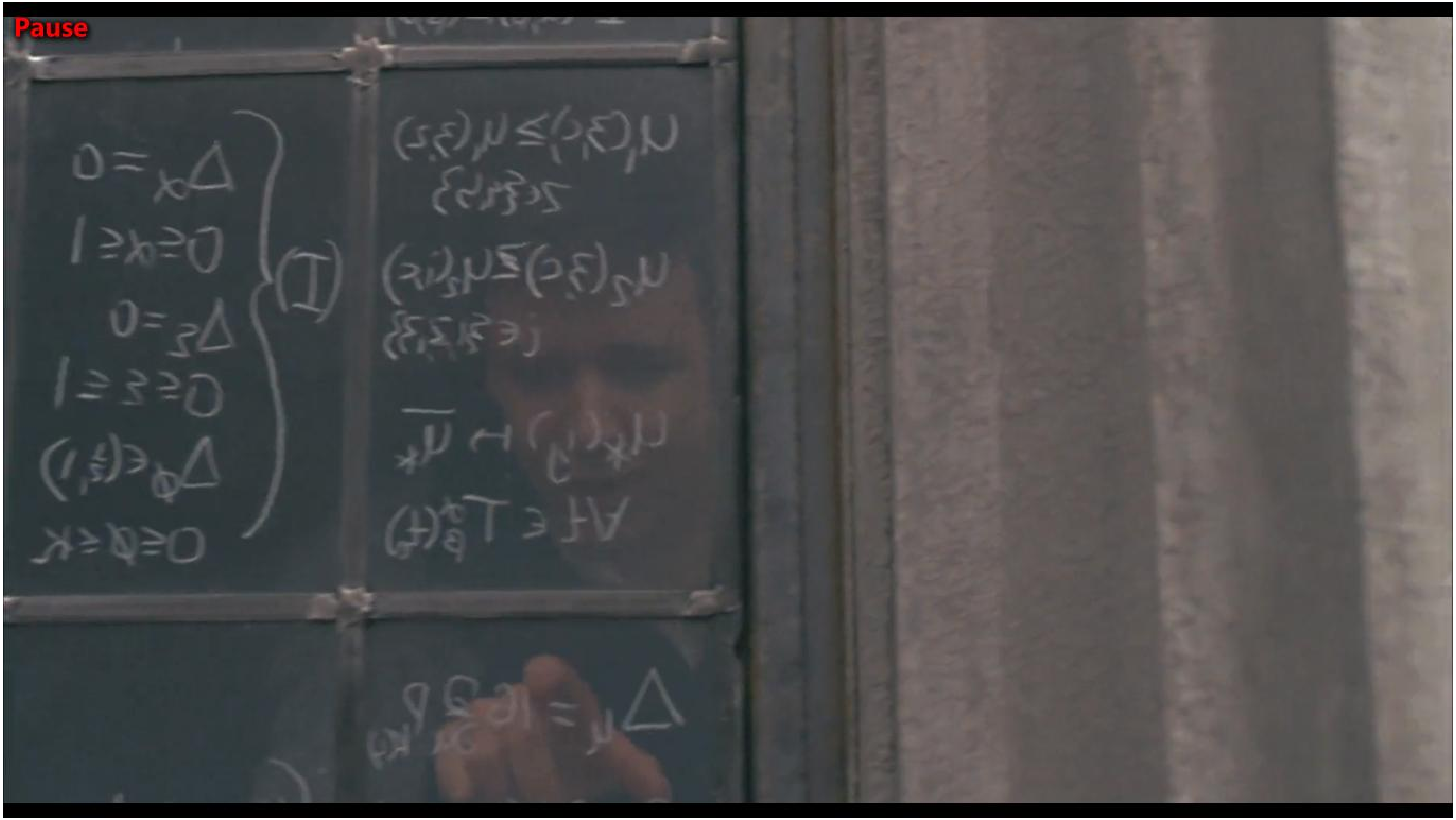
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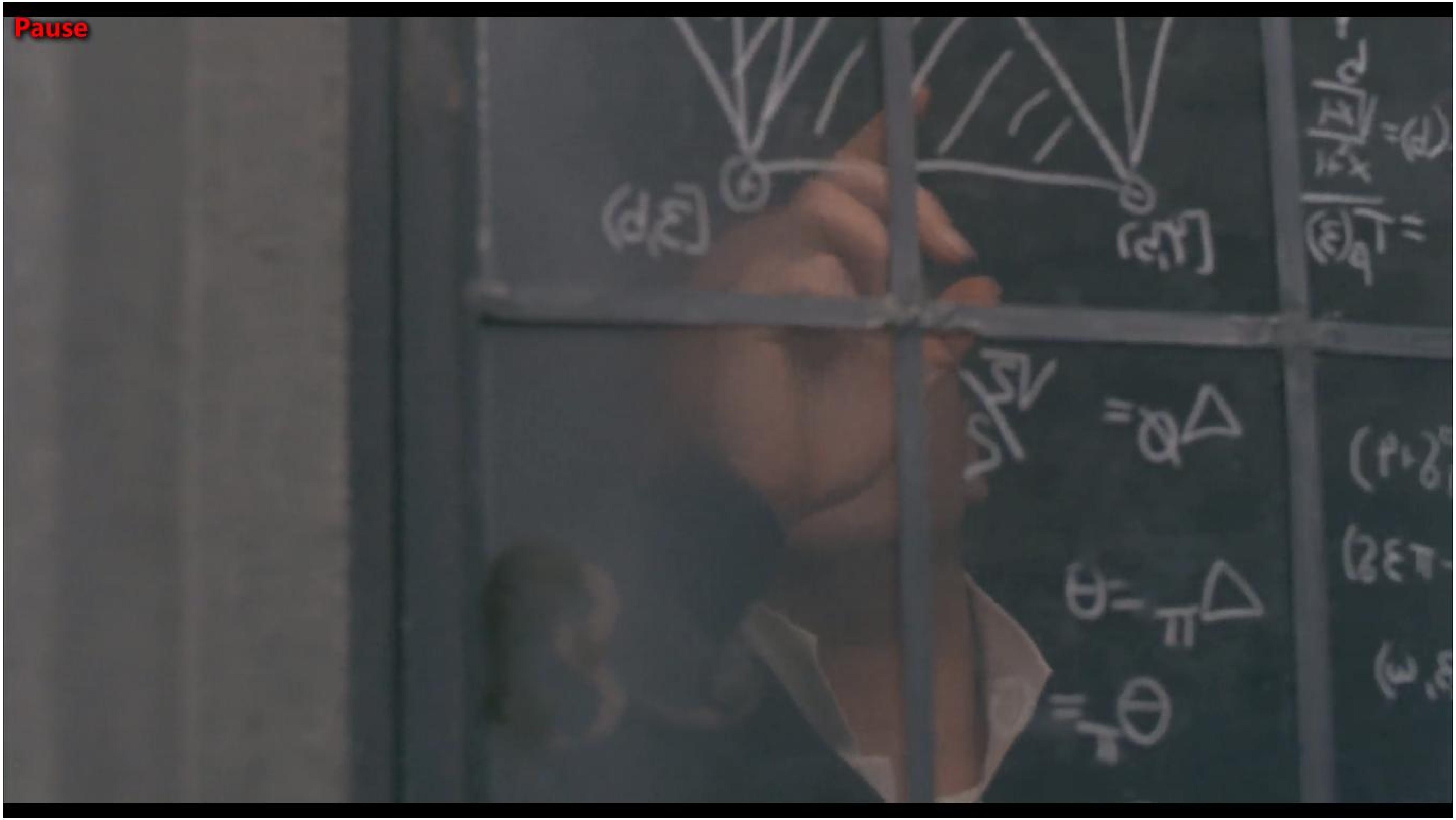
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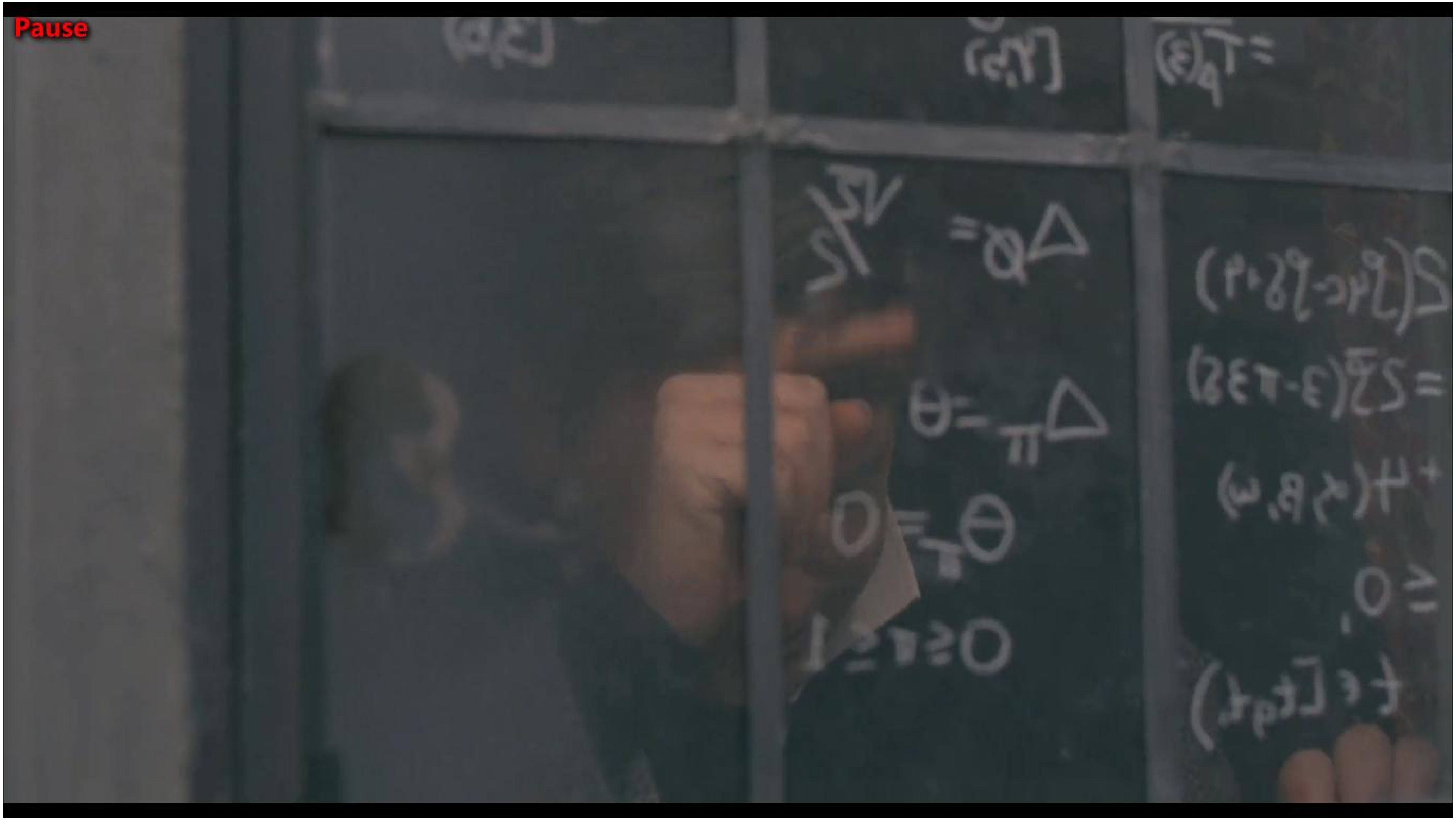
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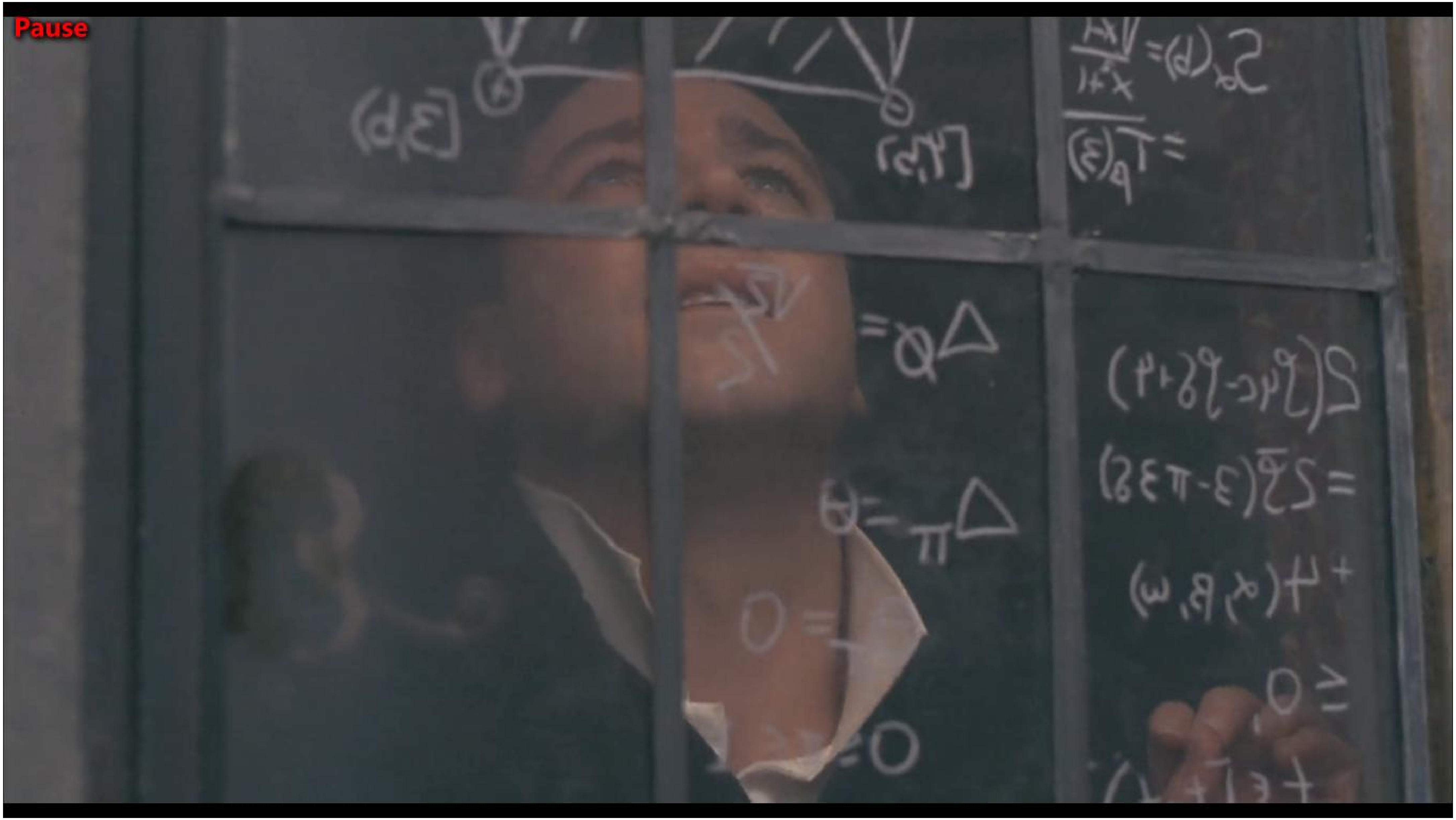
Pause


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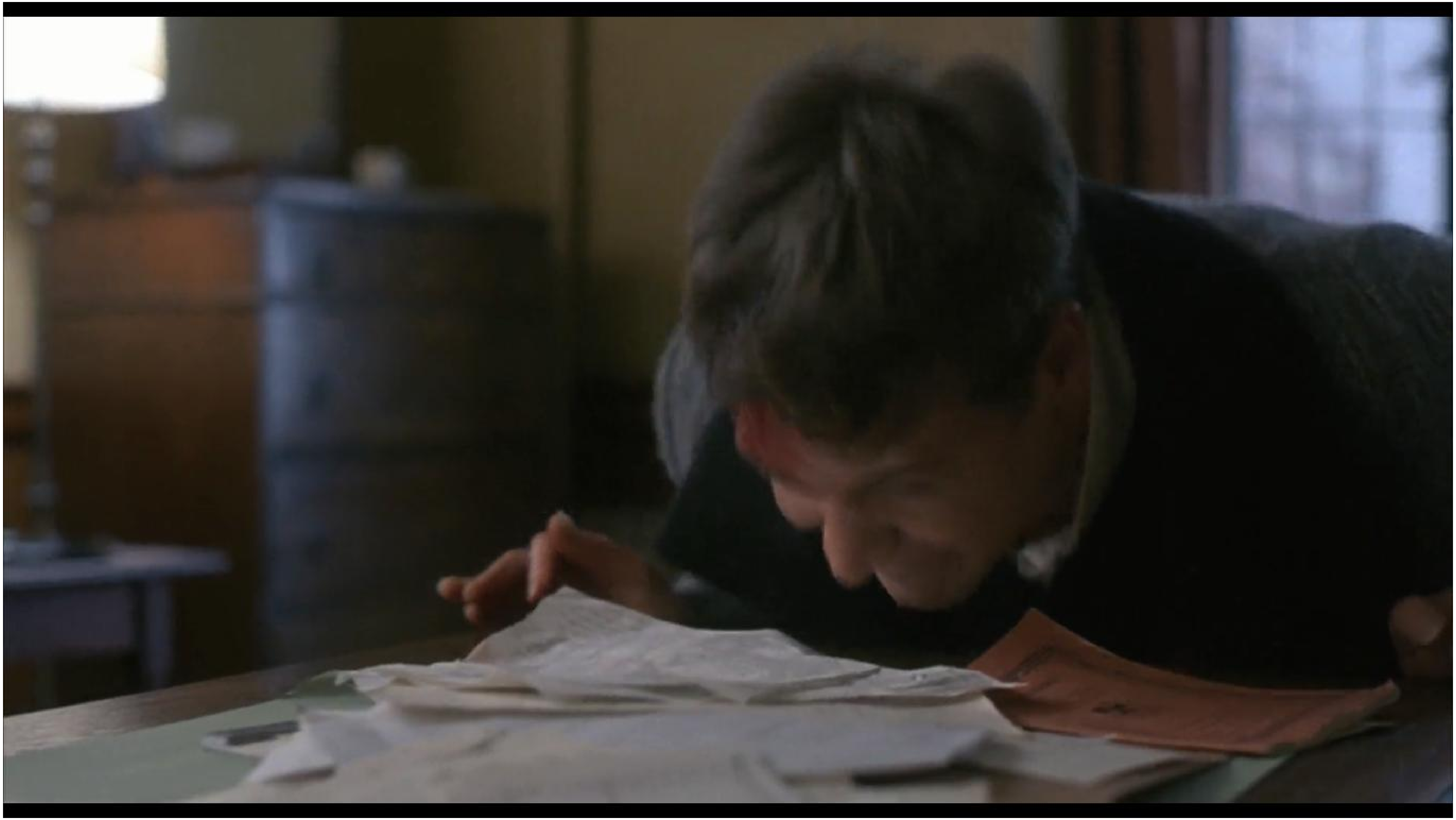

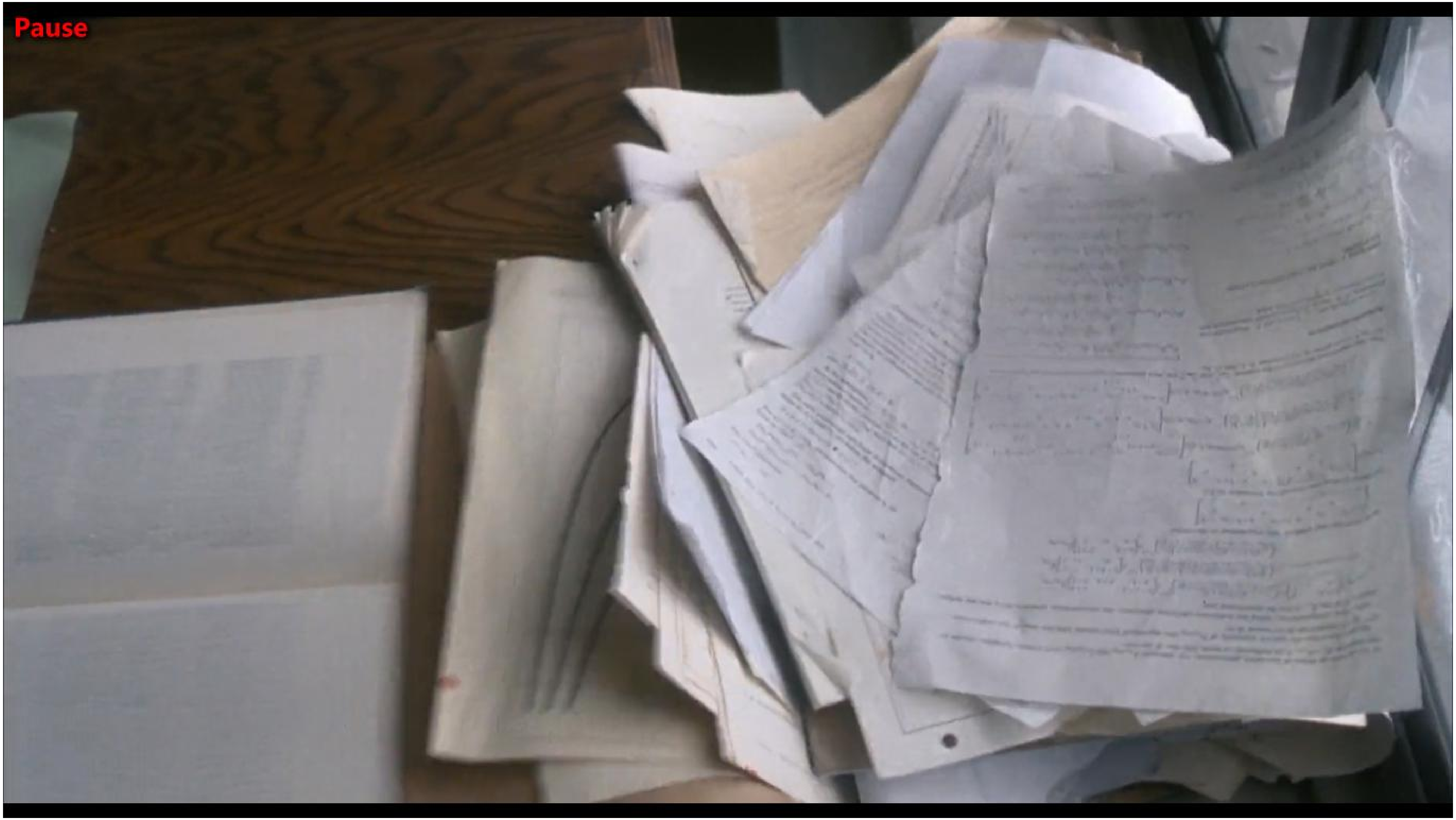
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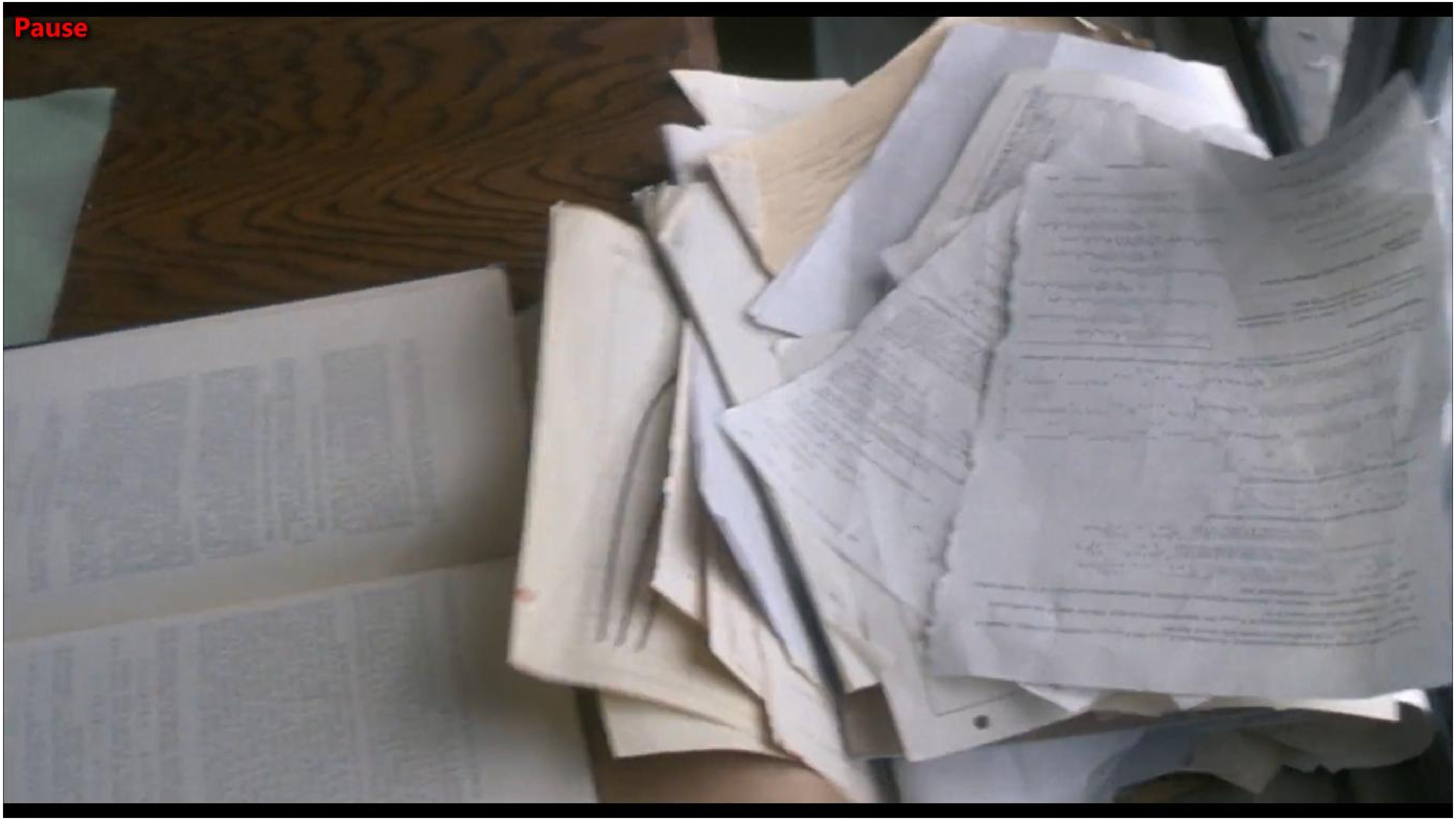
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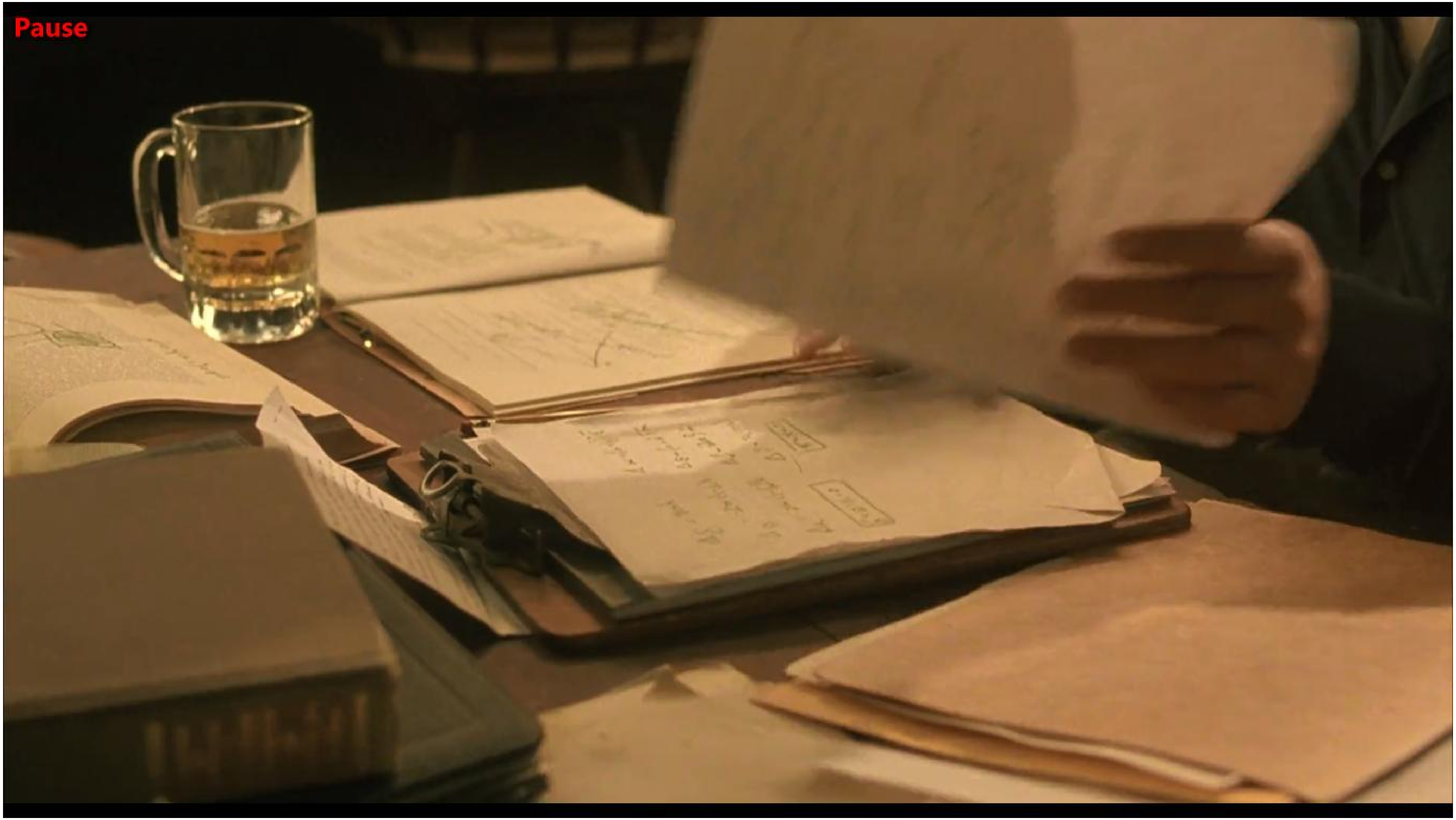
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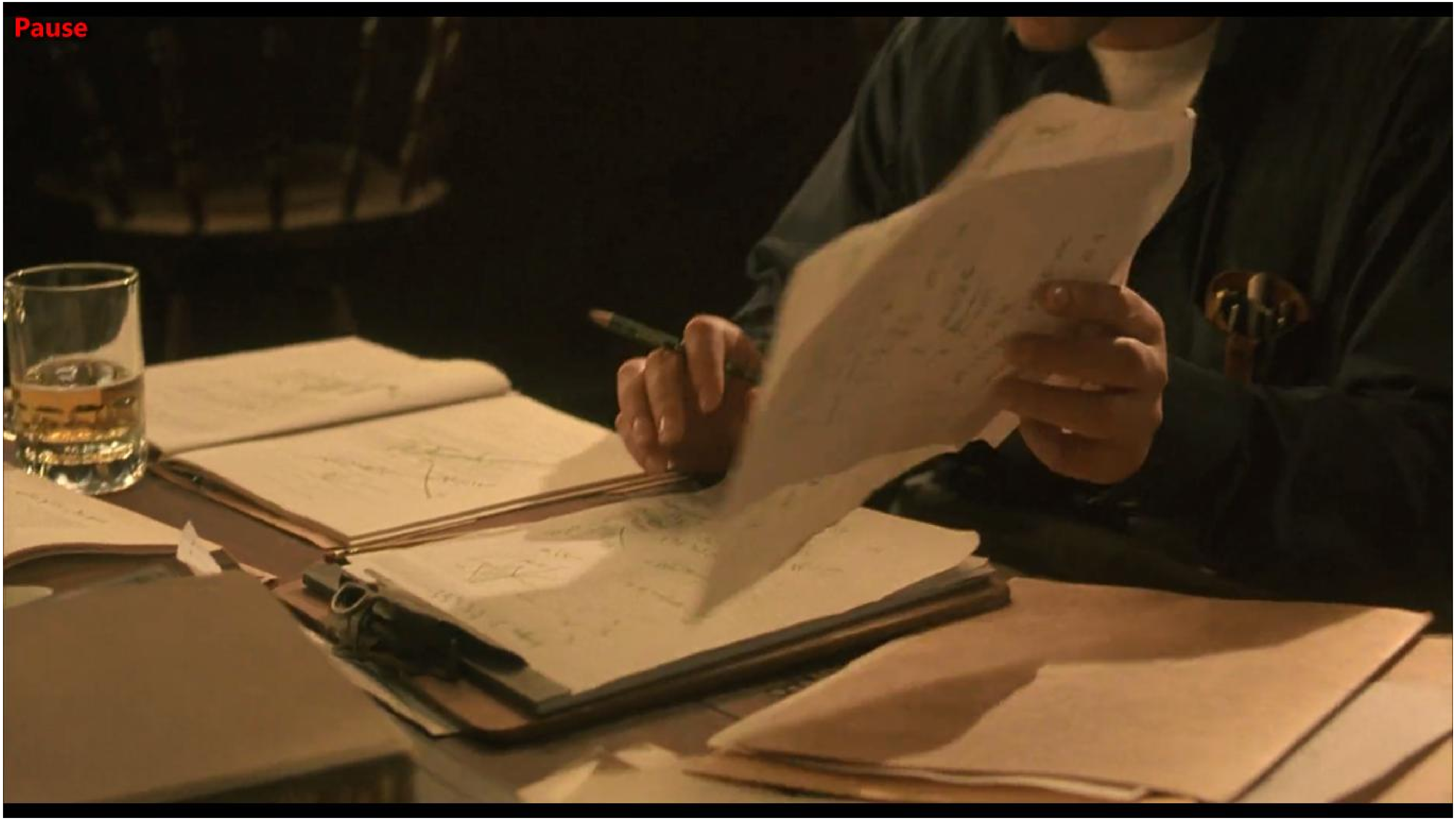
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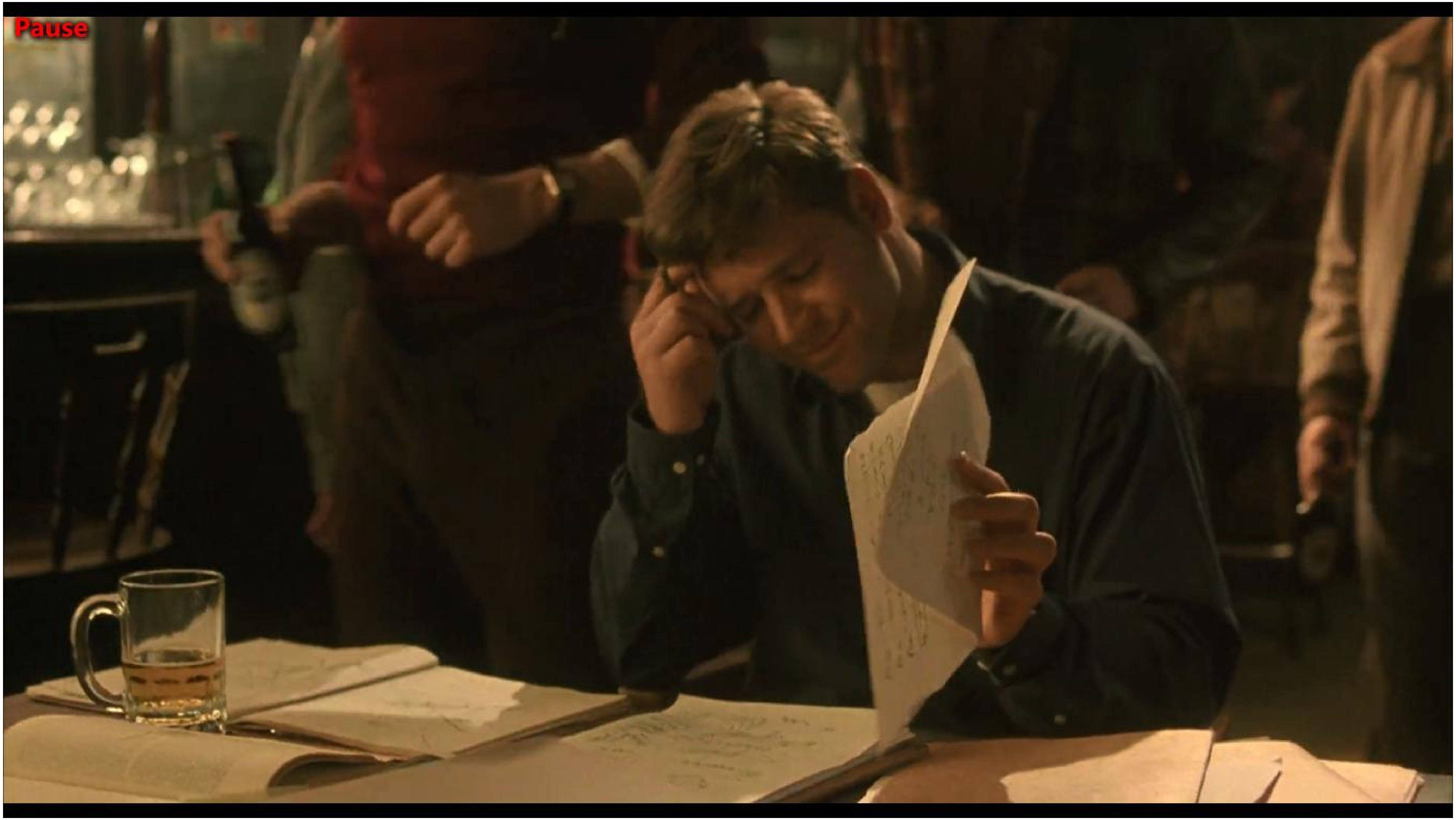
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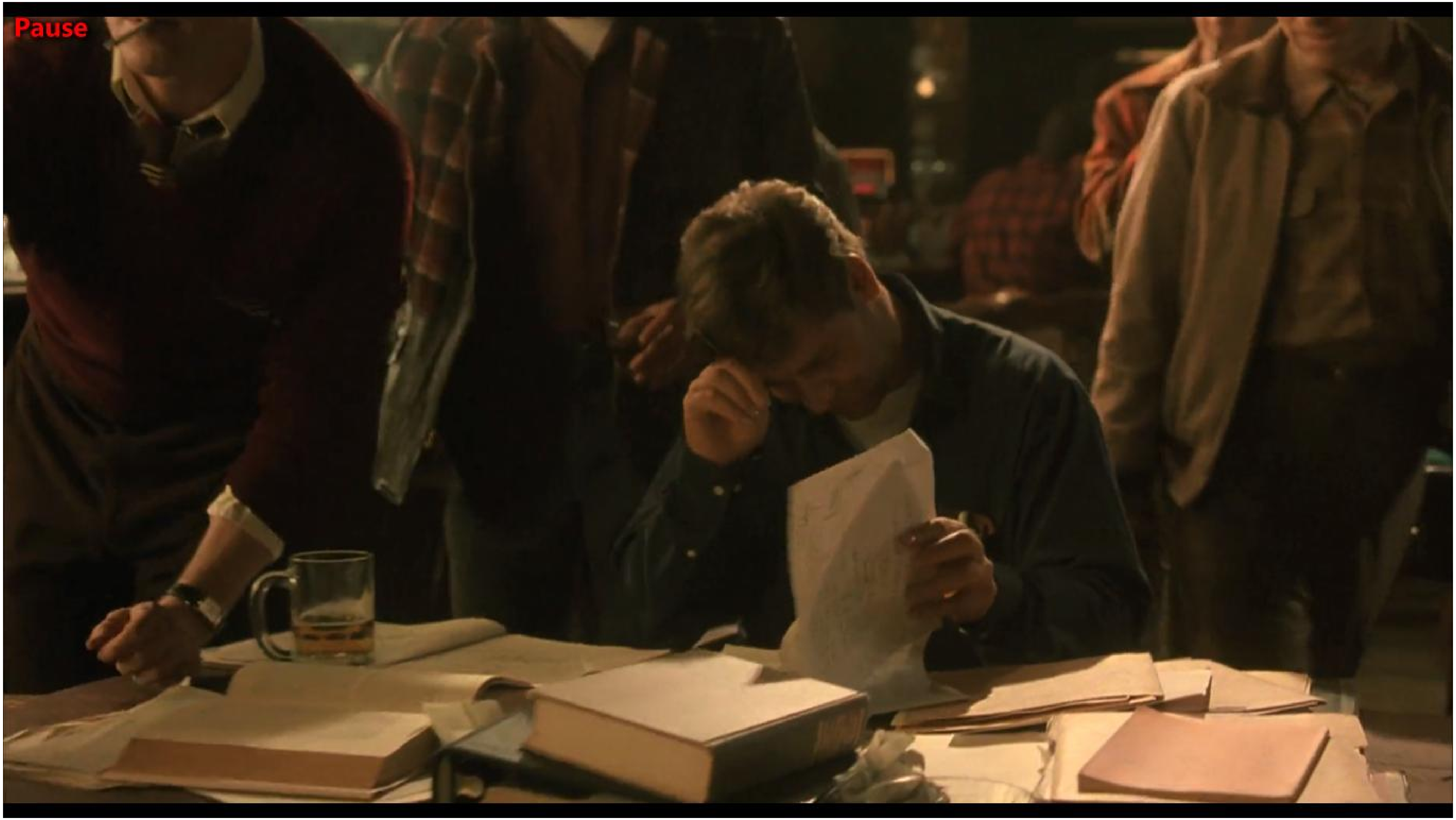
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Forward 5 sec -[00:19:50 / 14%]


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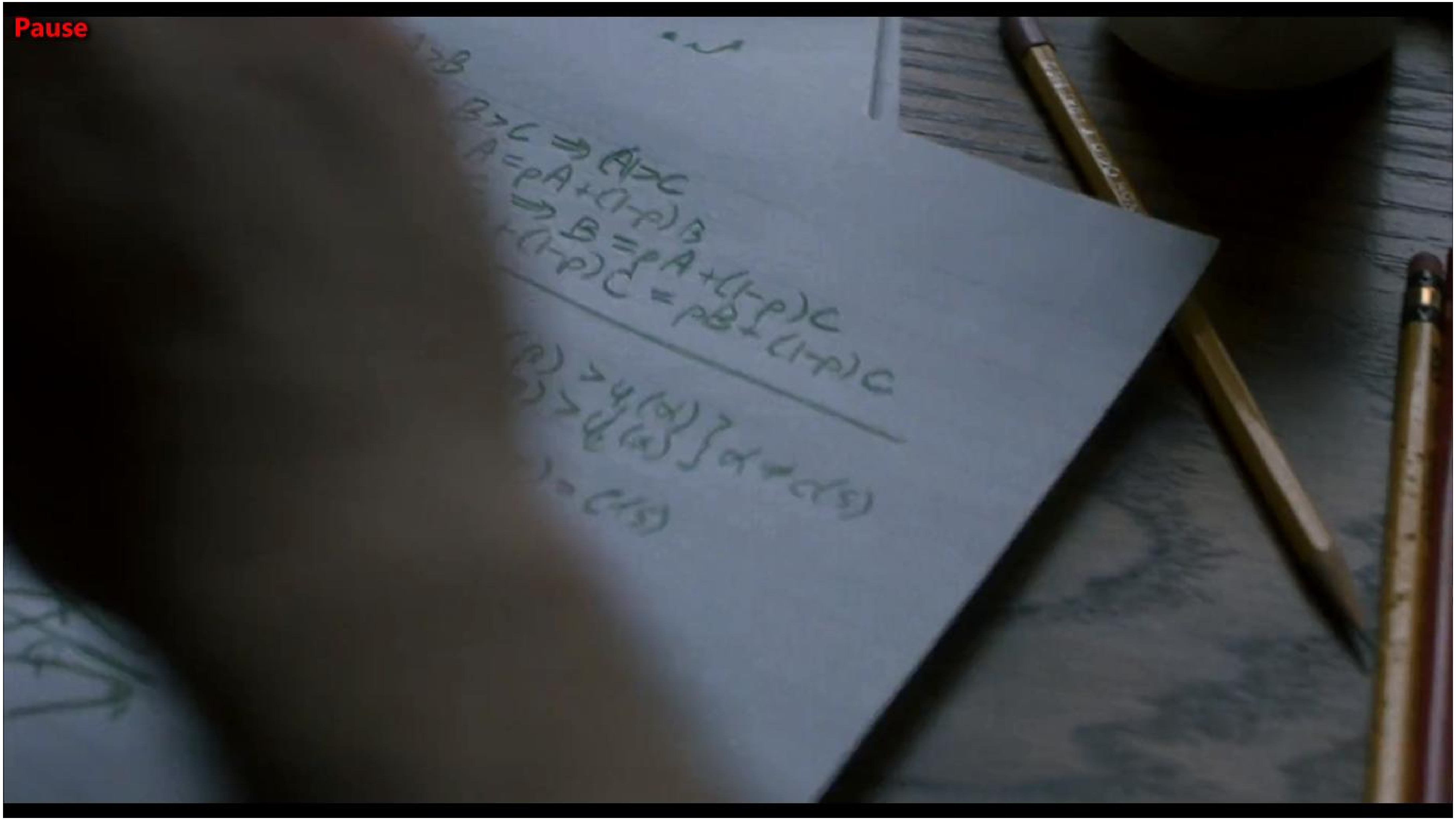
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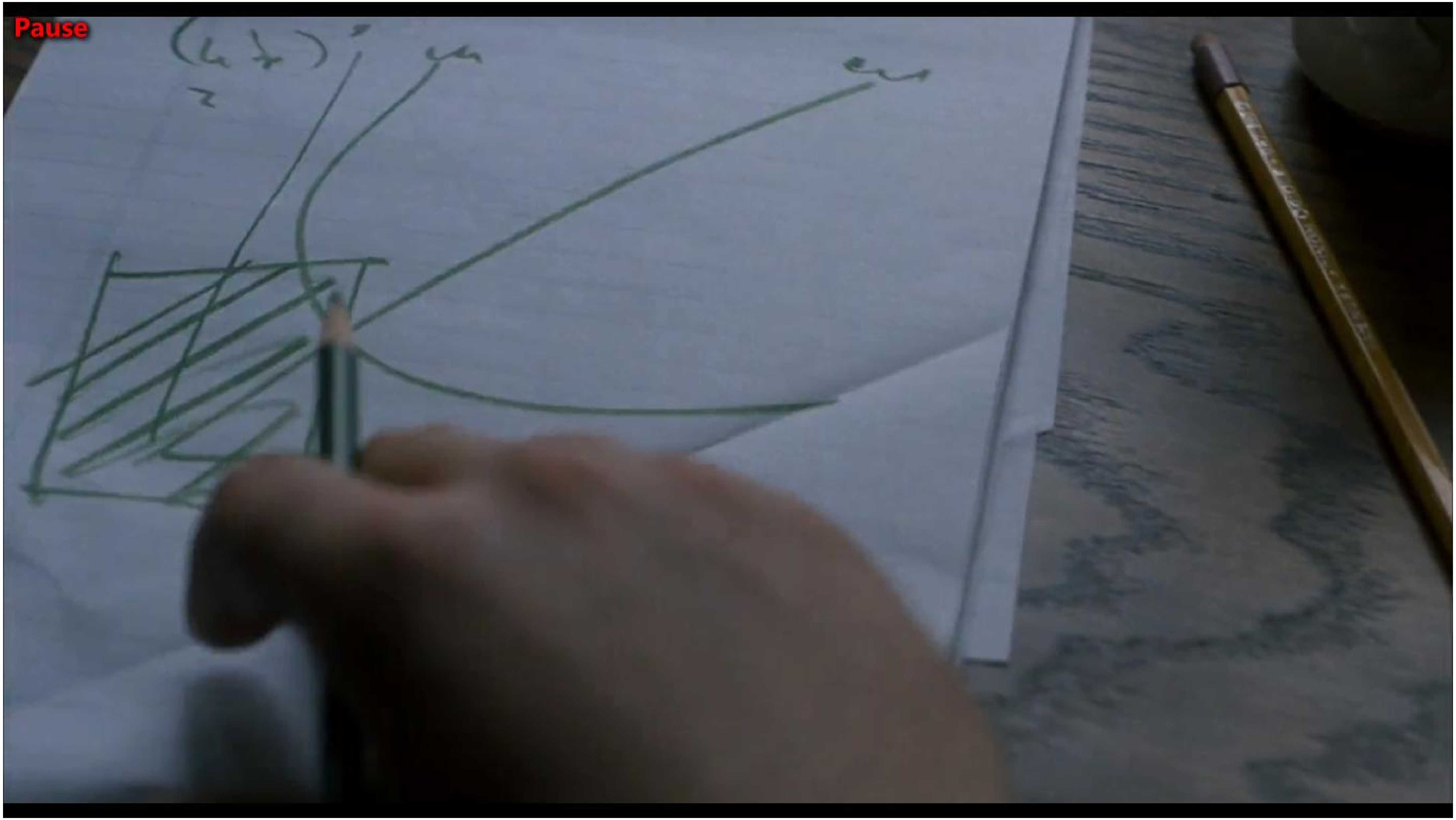
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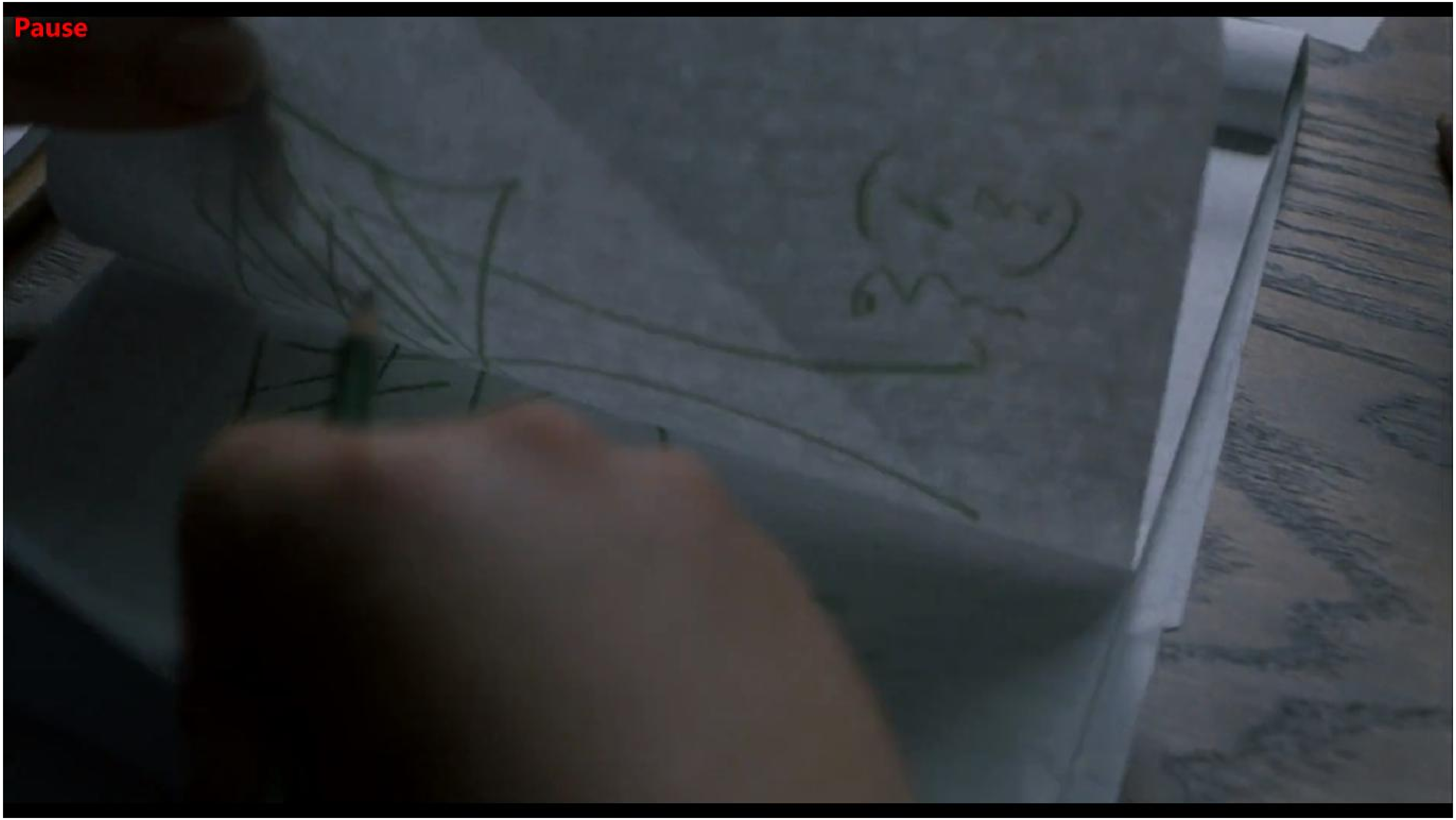
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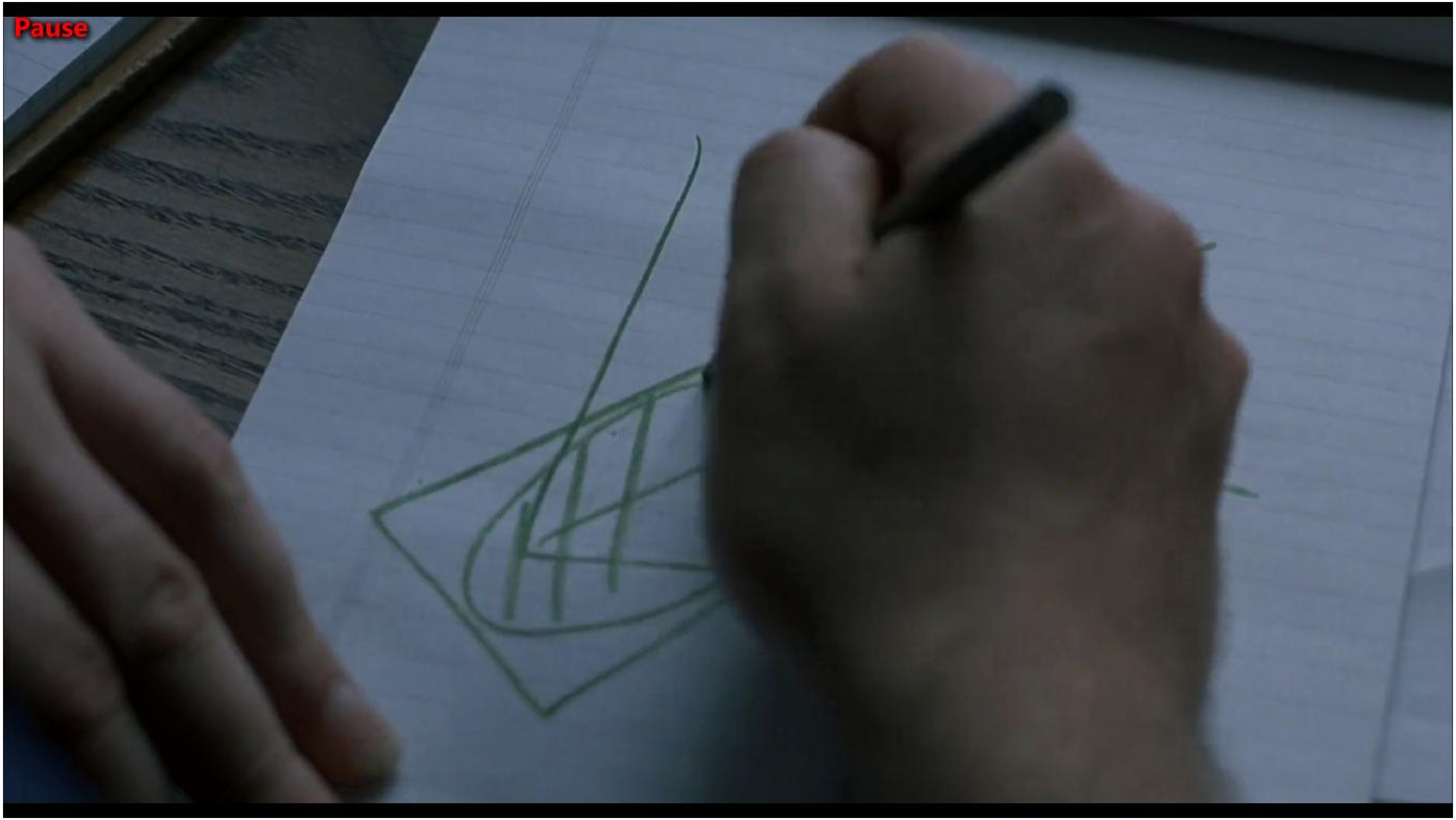
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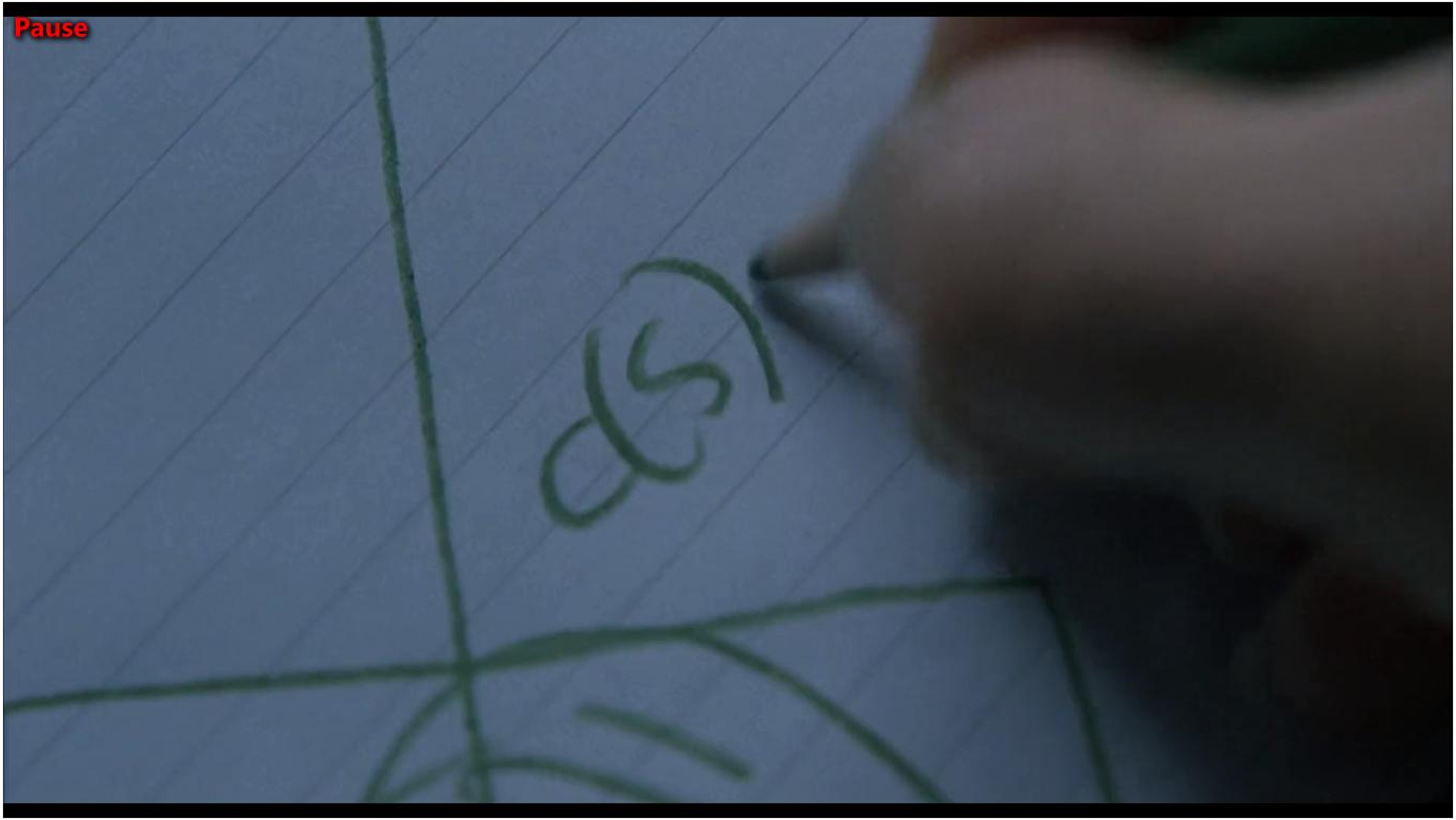
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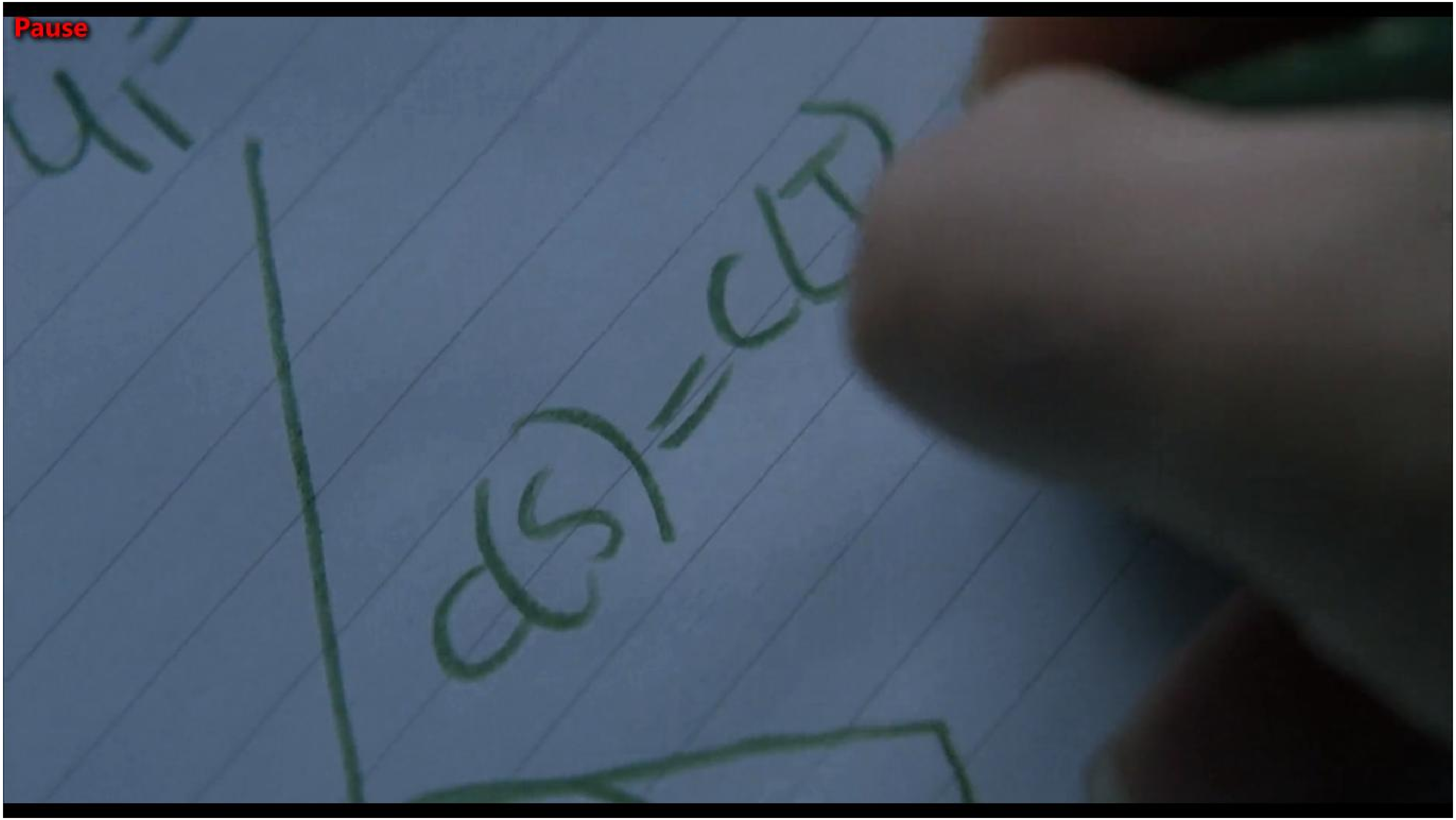
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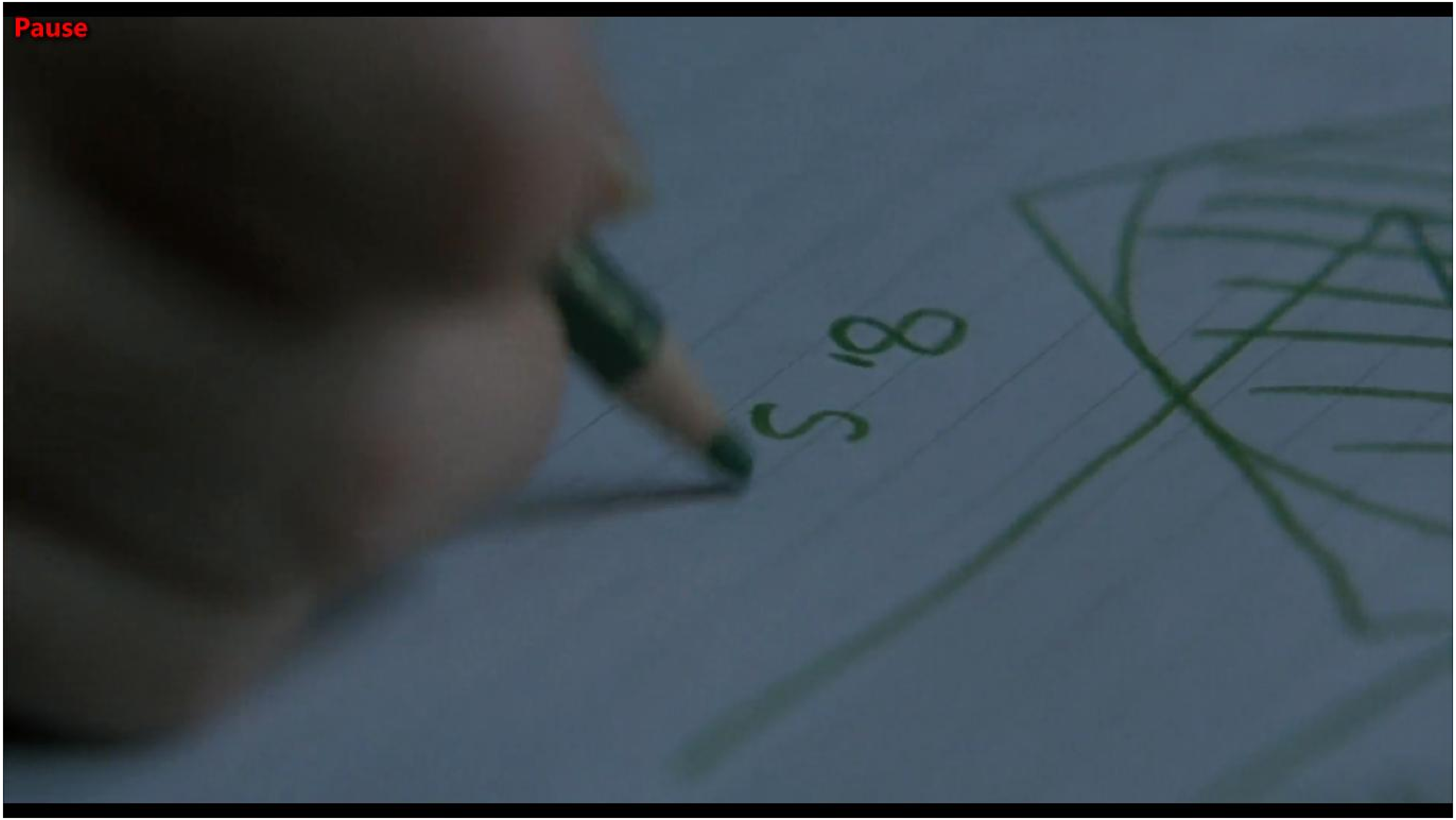
c(s)=c(t)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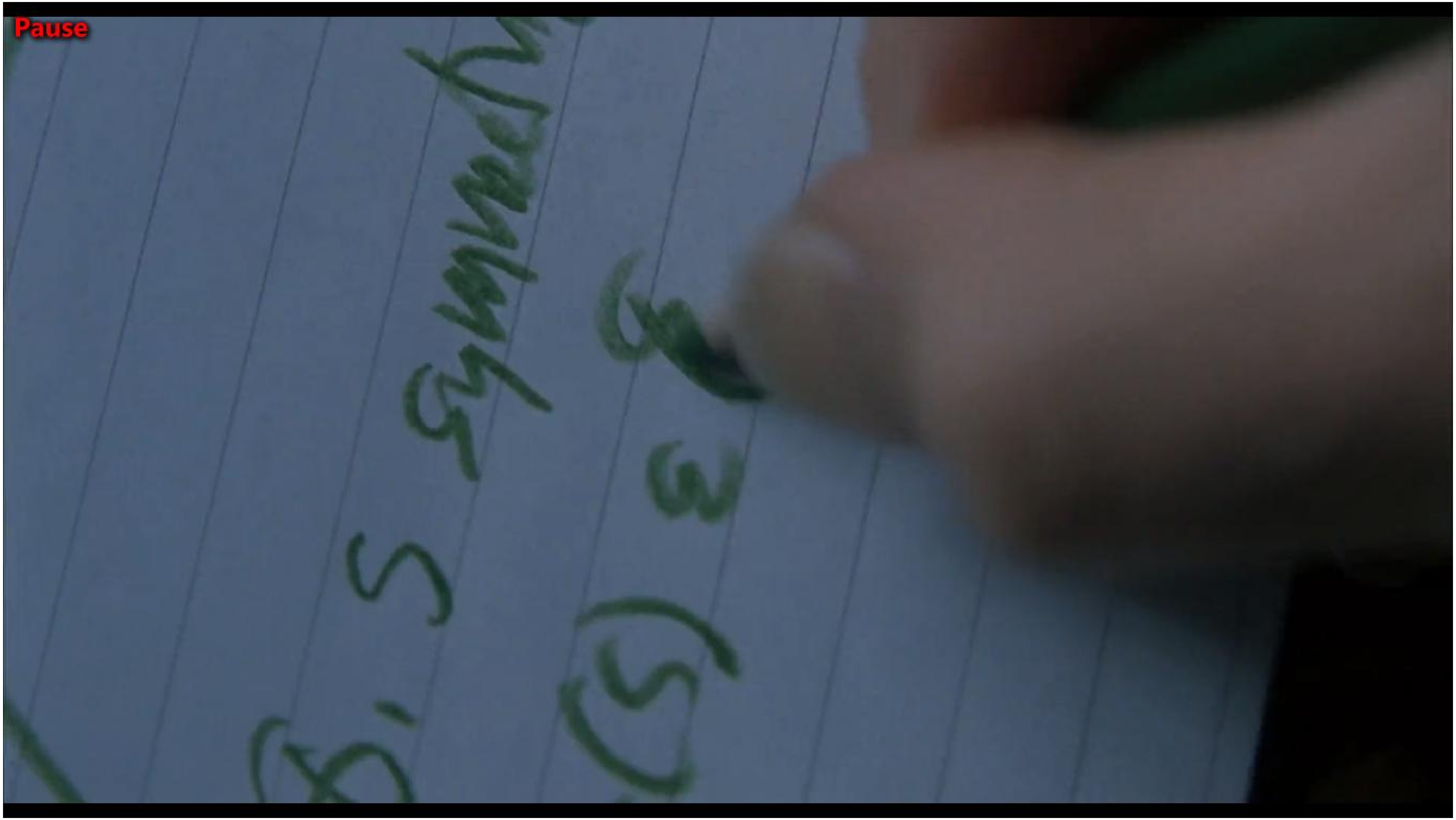
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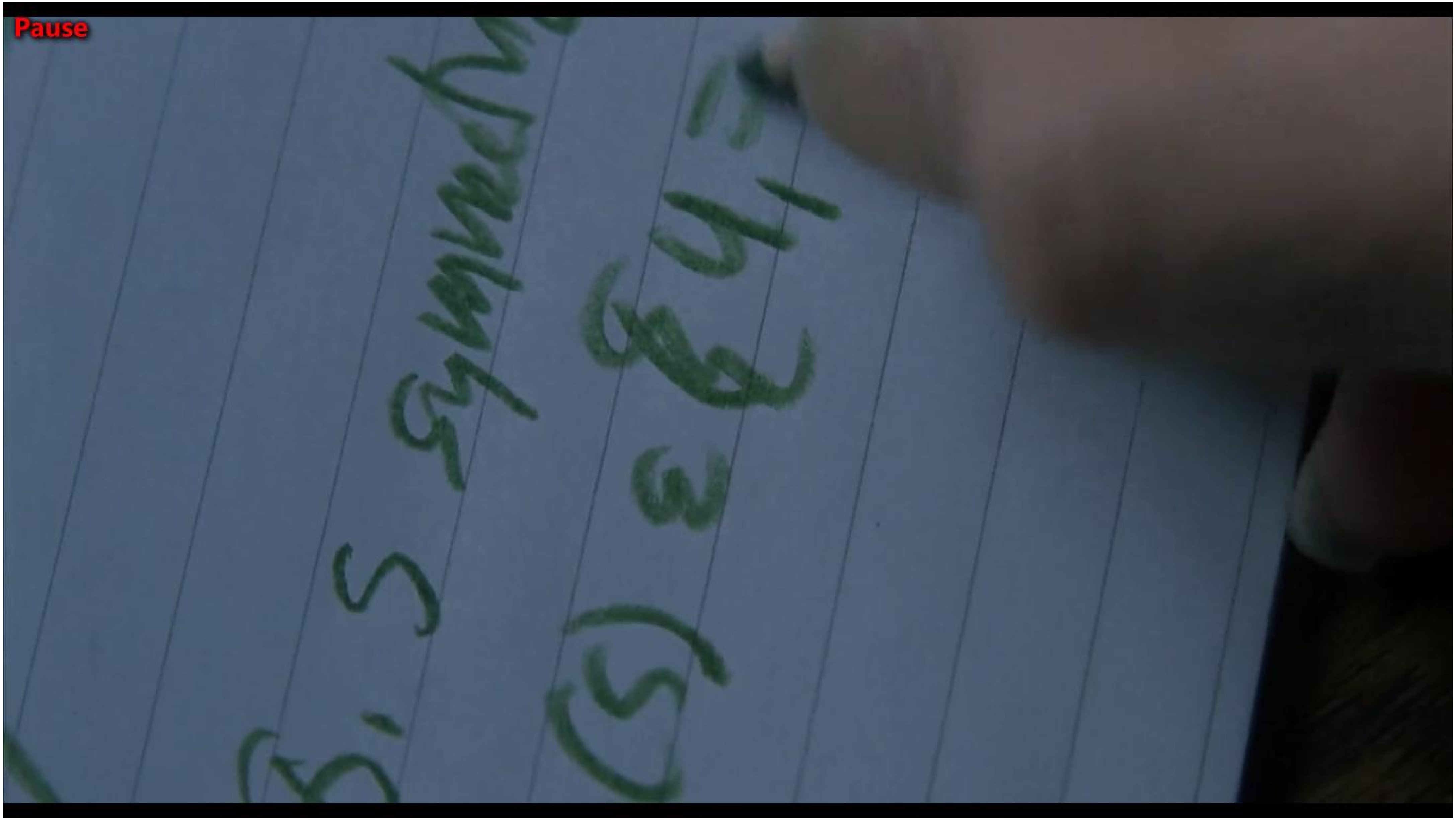
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Pause


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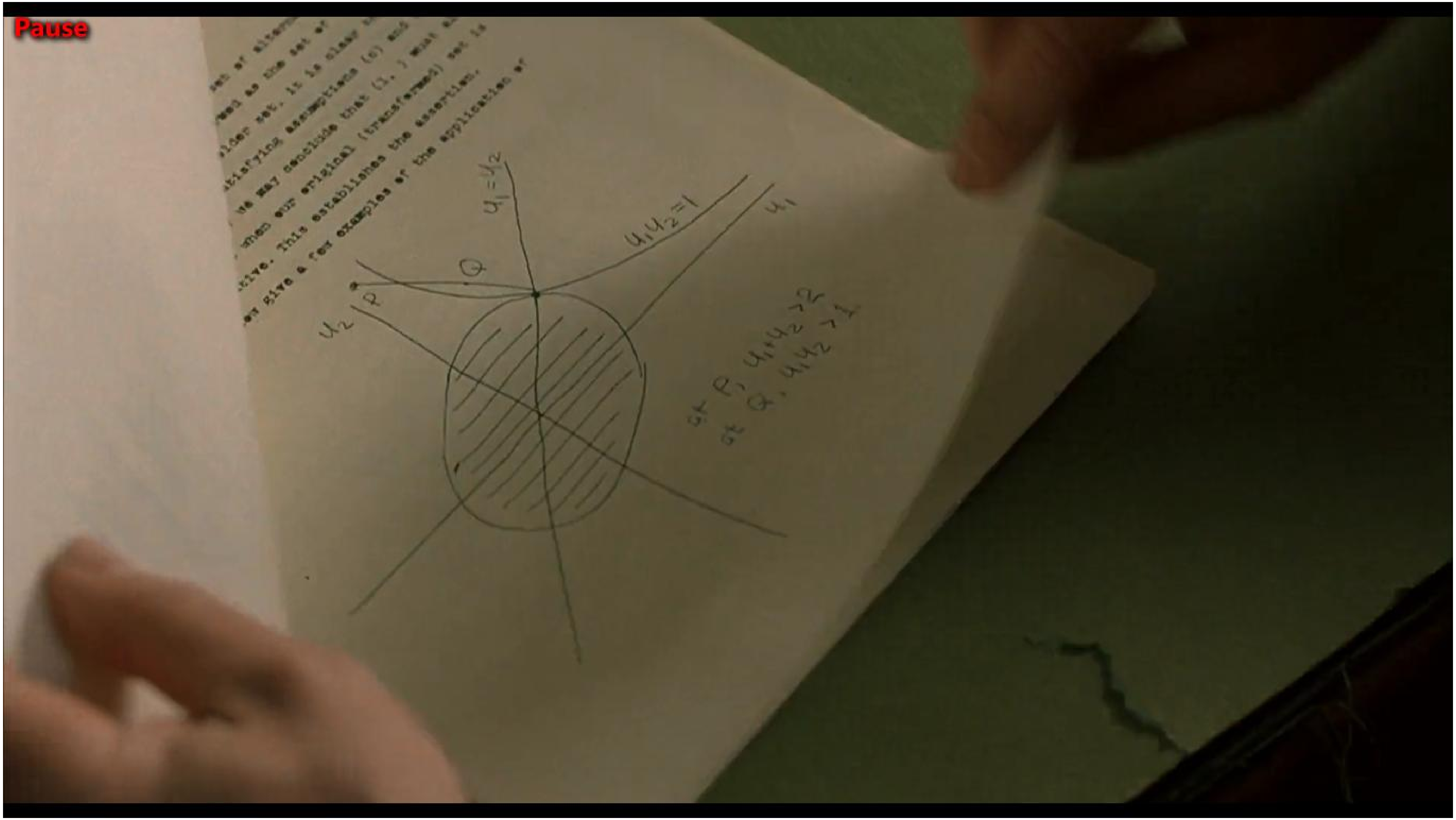
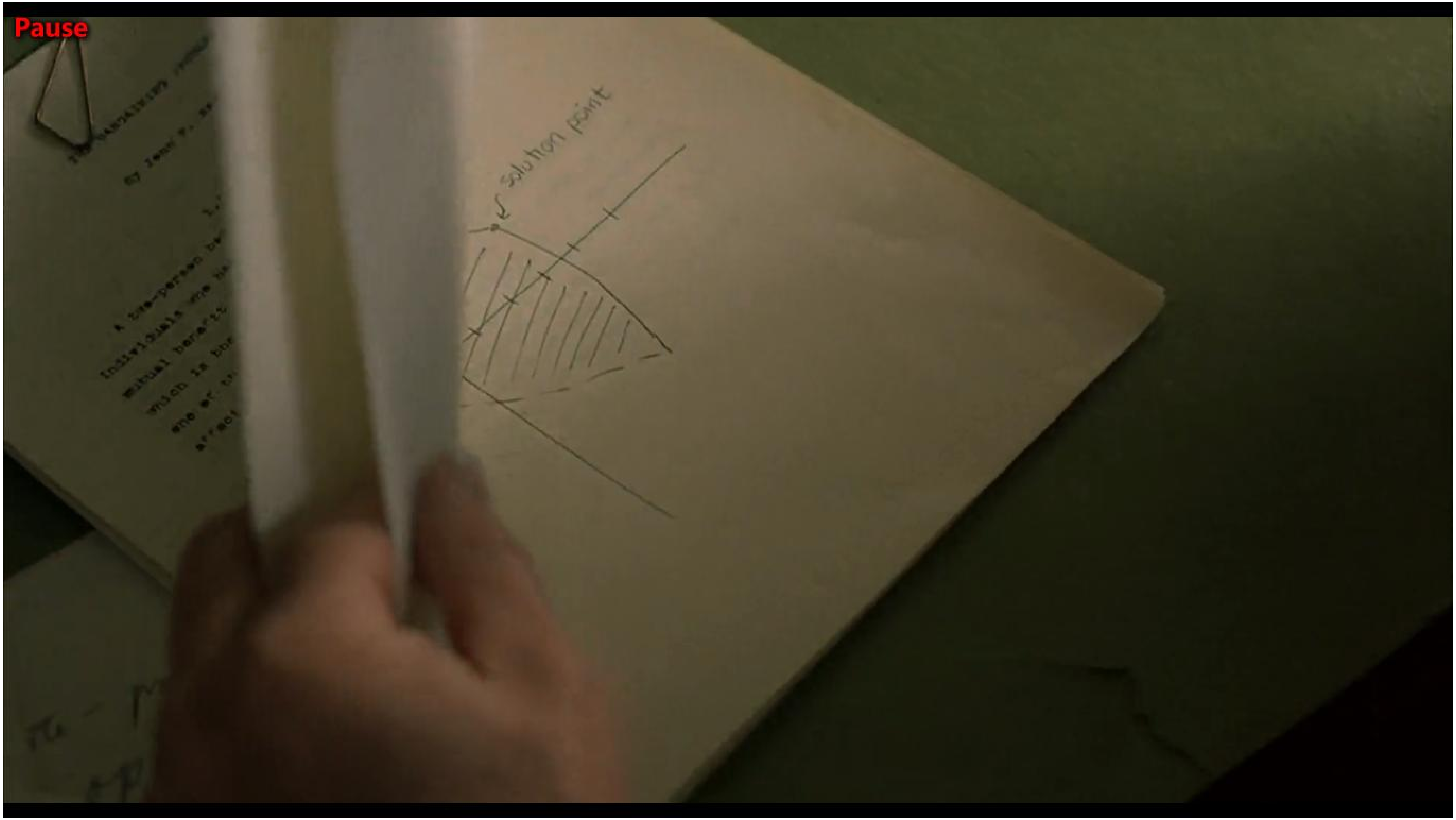

Pause
u1=u2
u1u2=1
u1
u2
P
Q
at P, u1+u2 >2
at Q, u1u2 >1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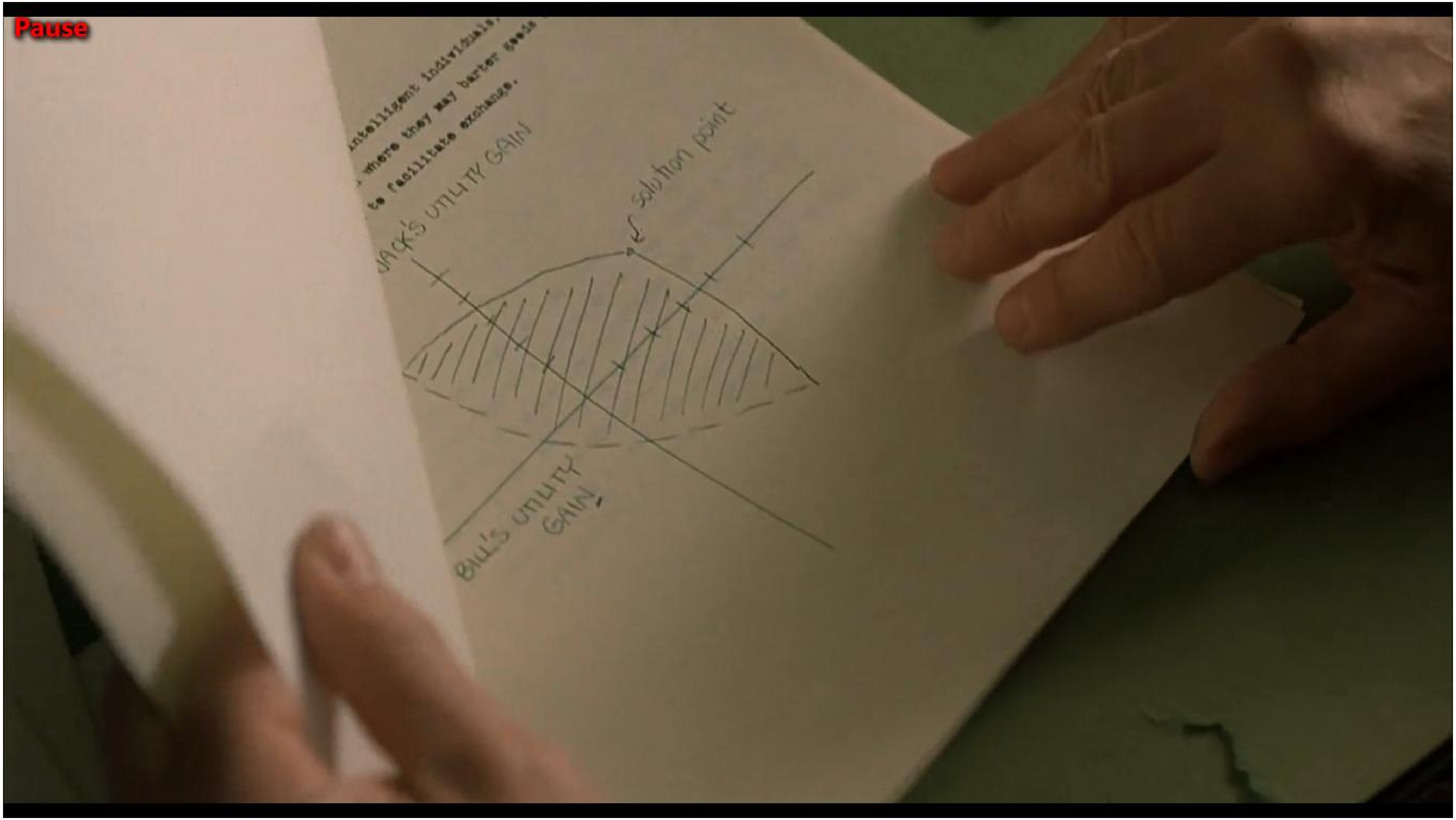
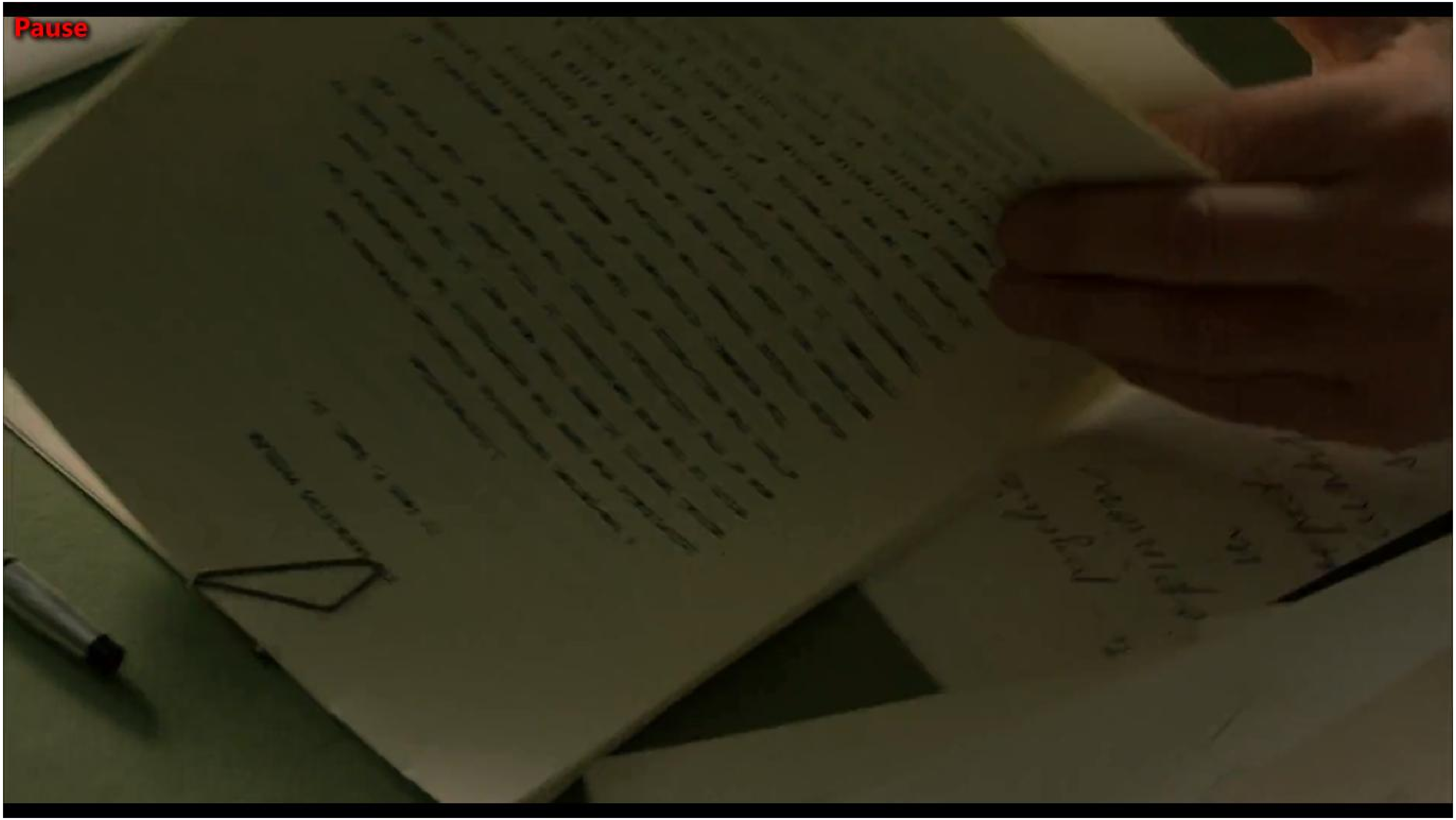
solution point


Pause
intelligent individuals,
where they may barter
to facilitate exchange.
JACK'S UTILITY GAIN
Solution point
BILL'S UTILITY GAIN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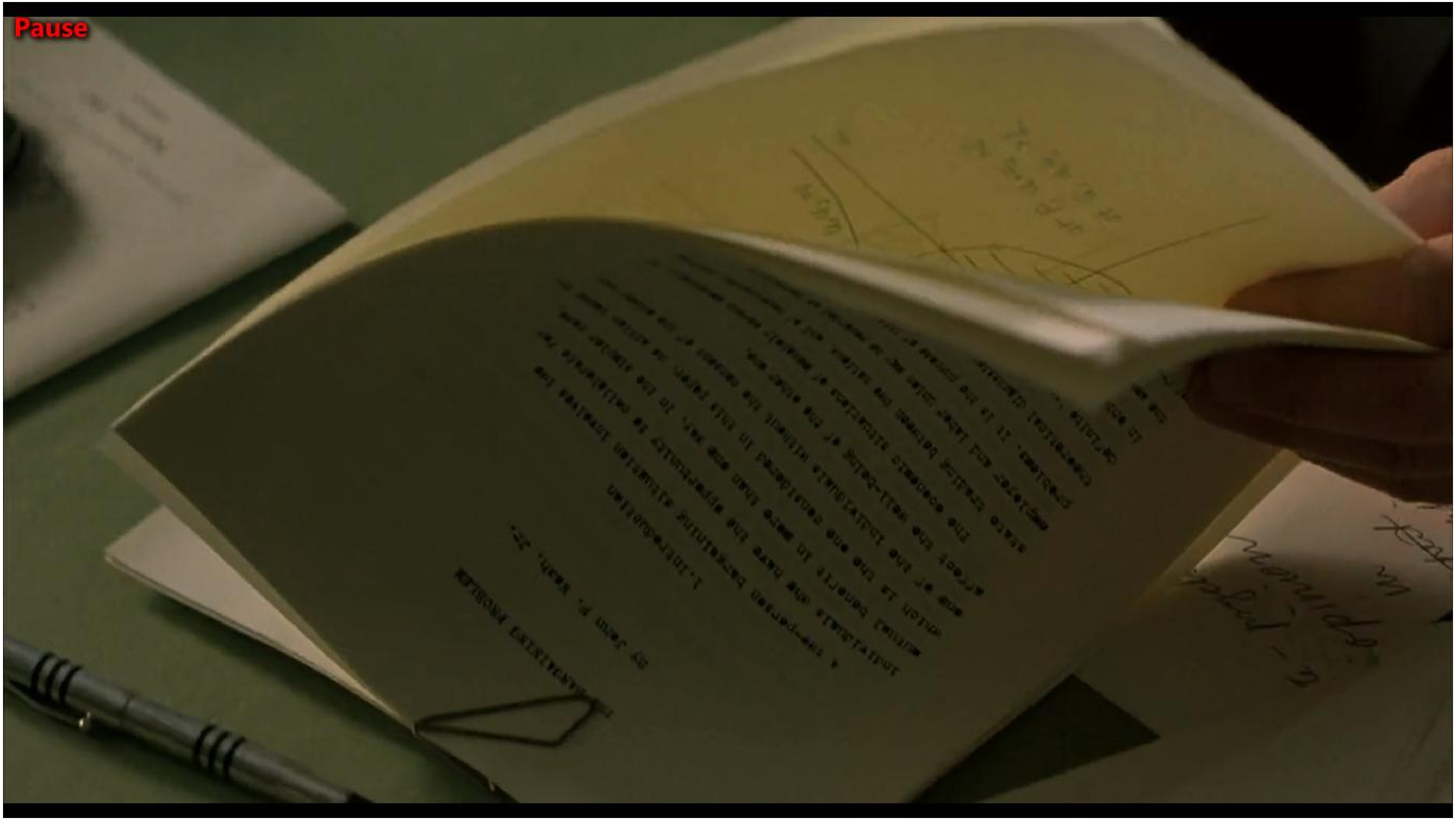
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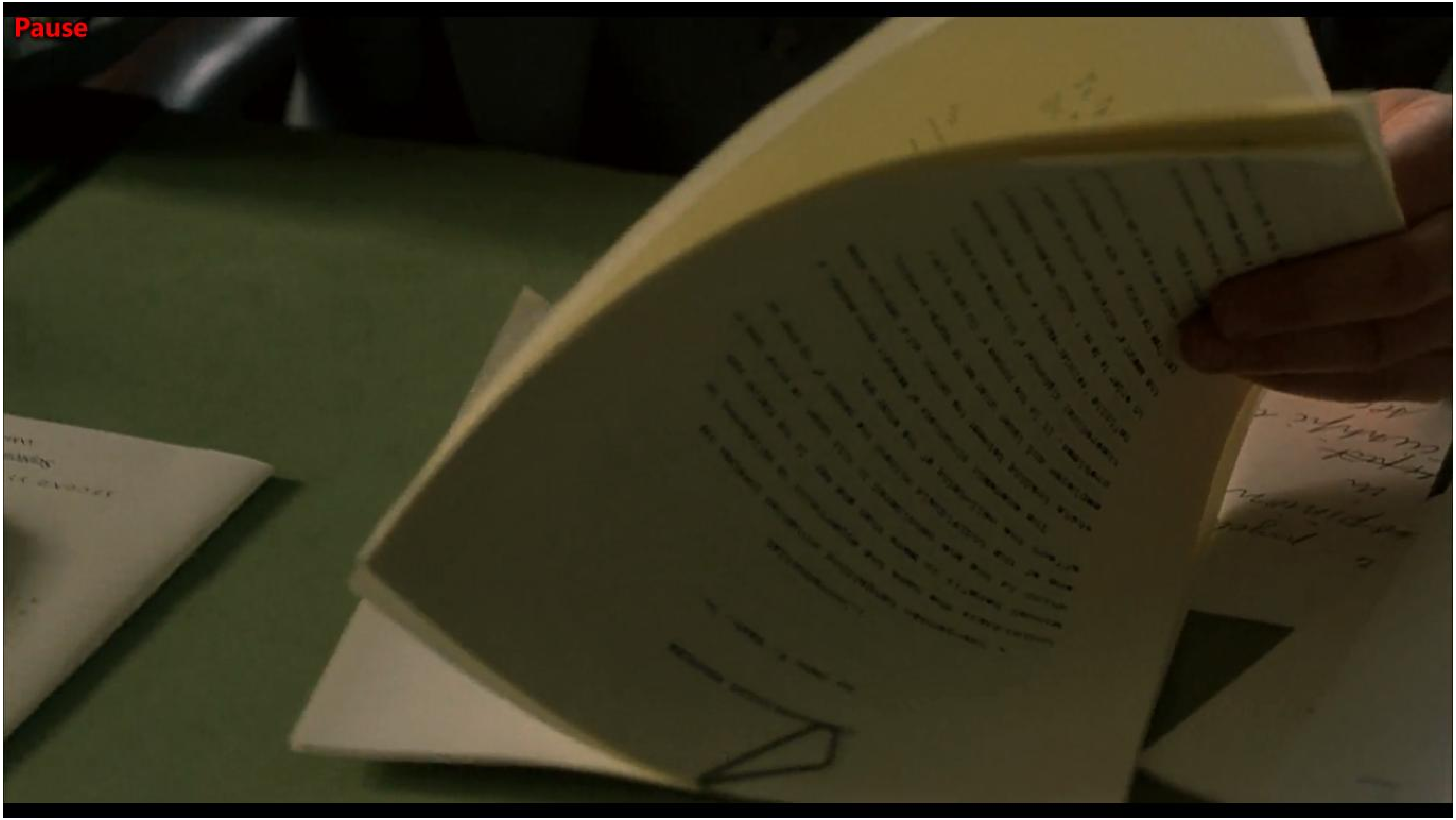
BARGAINING PROBLEM
By John F. Nash, Jr.
1. Introduction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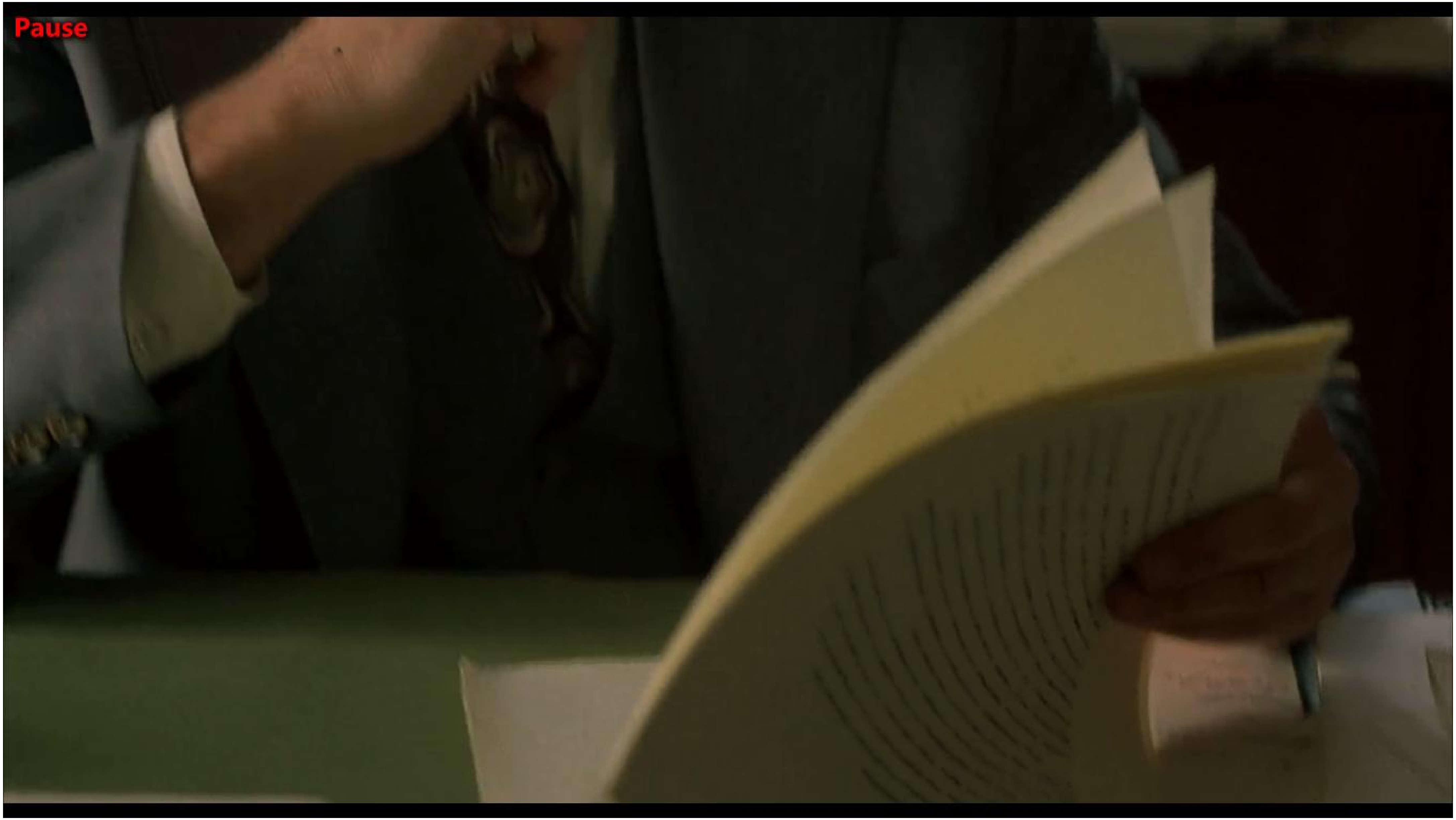
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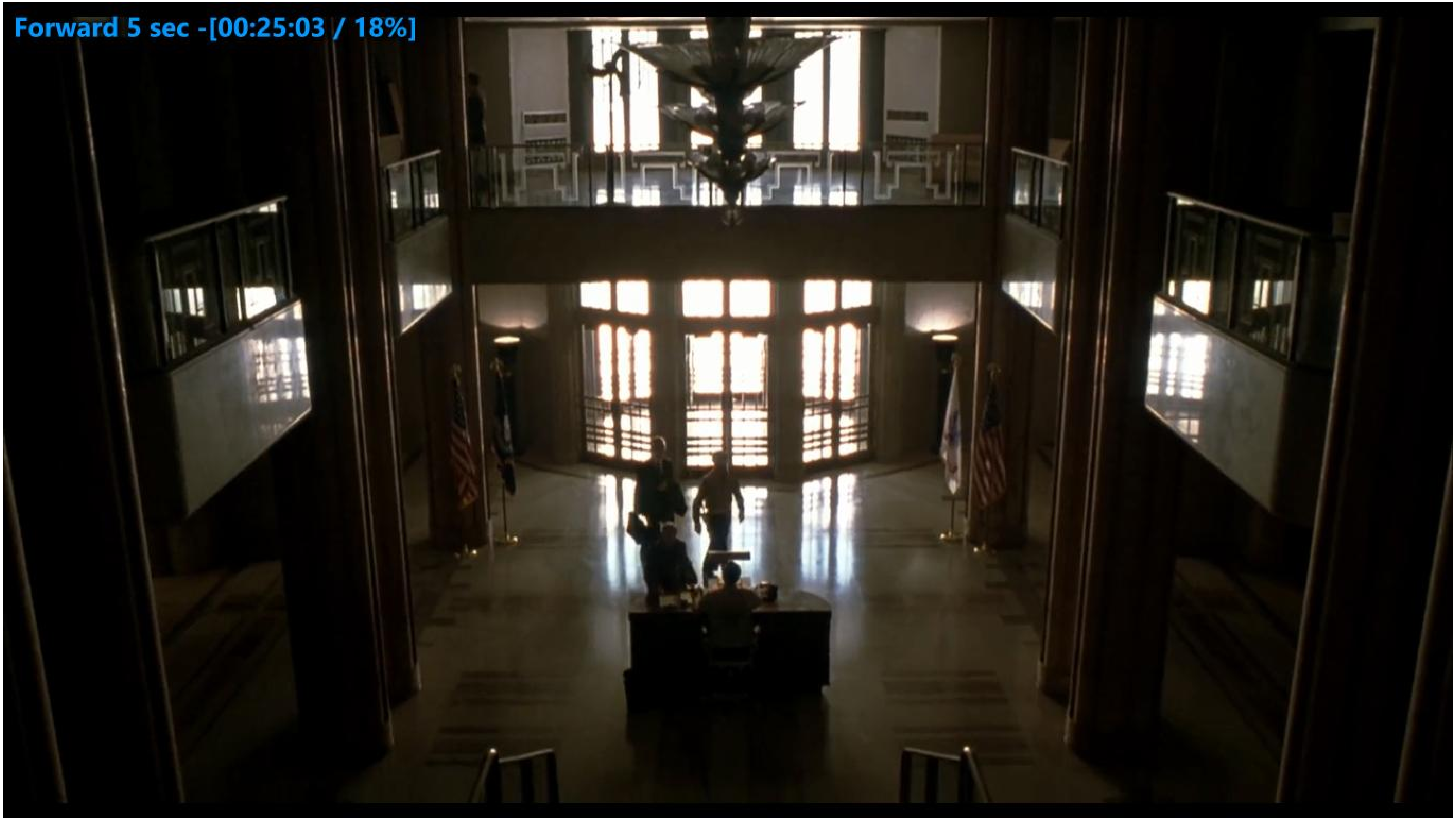
Play


Pause
THE PENTAGON 1953
FIVE YEARS LATER


Pause
THE PENTAGON 1953
FIVE YEARS LATER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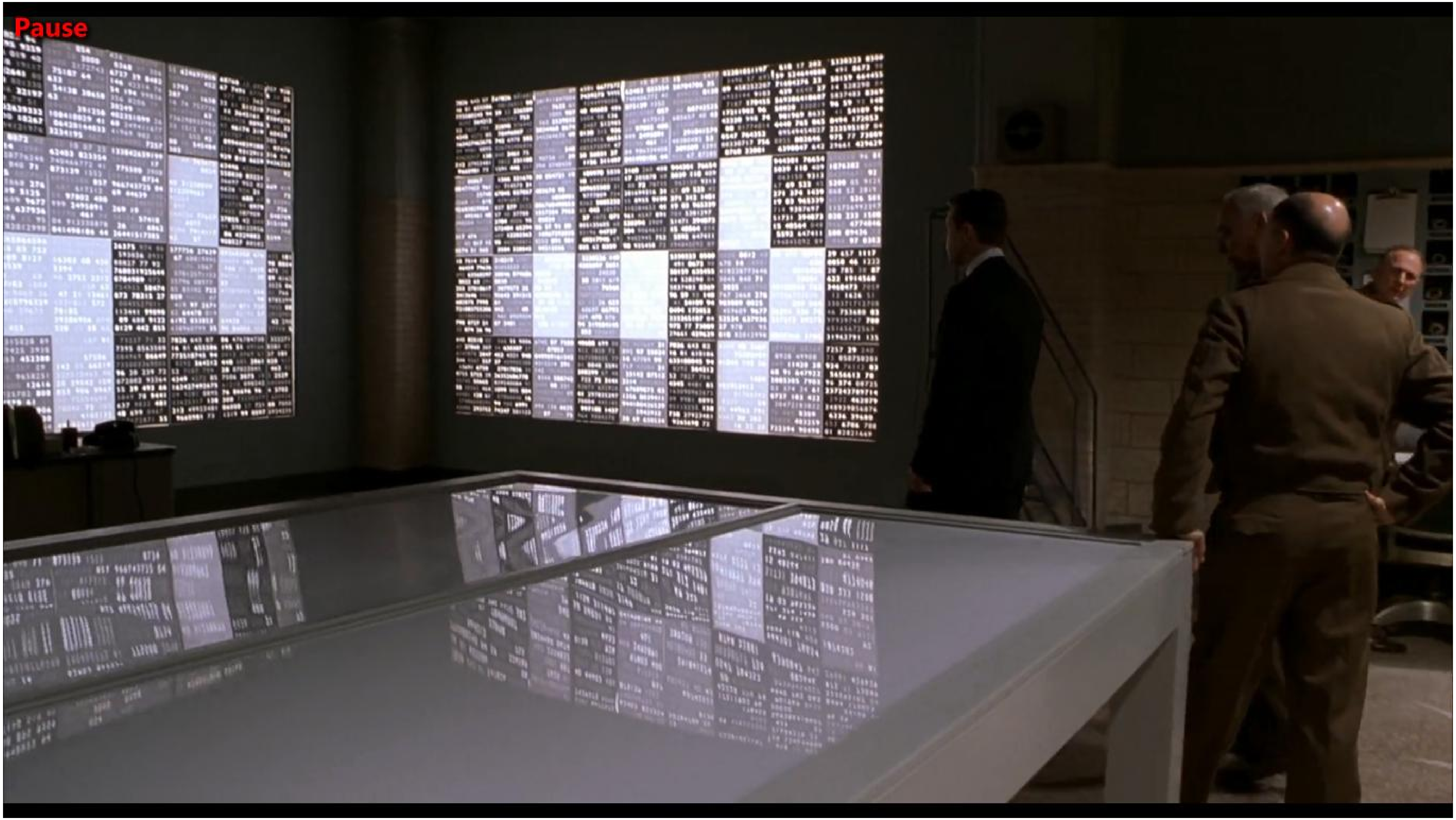
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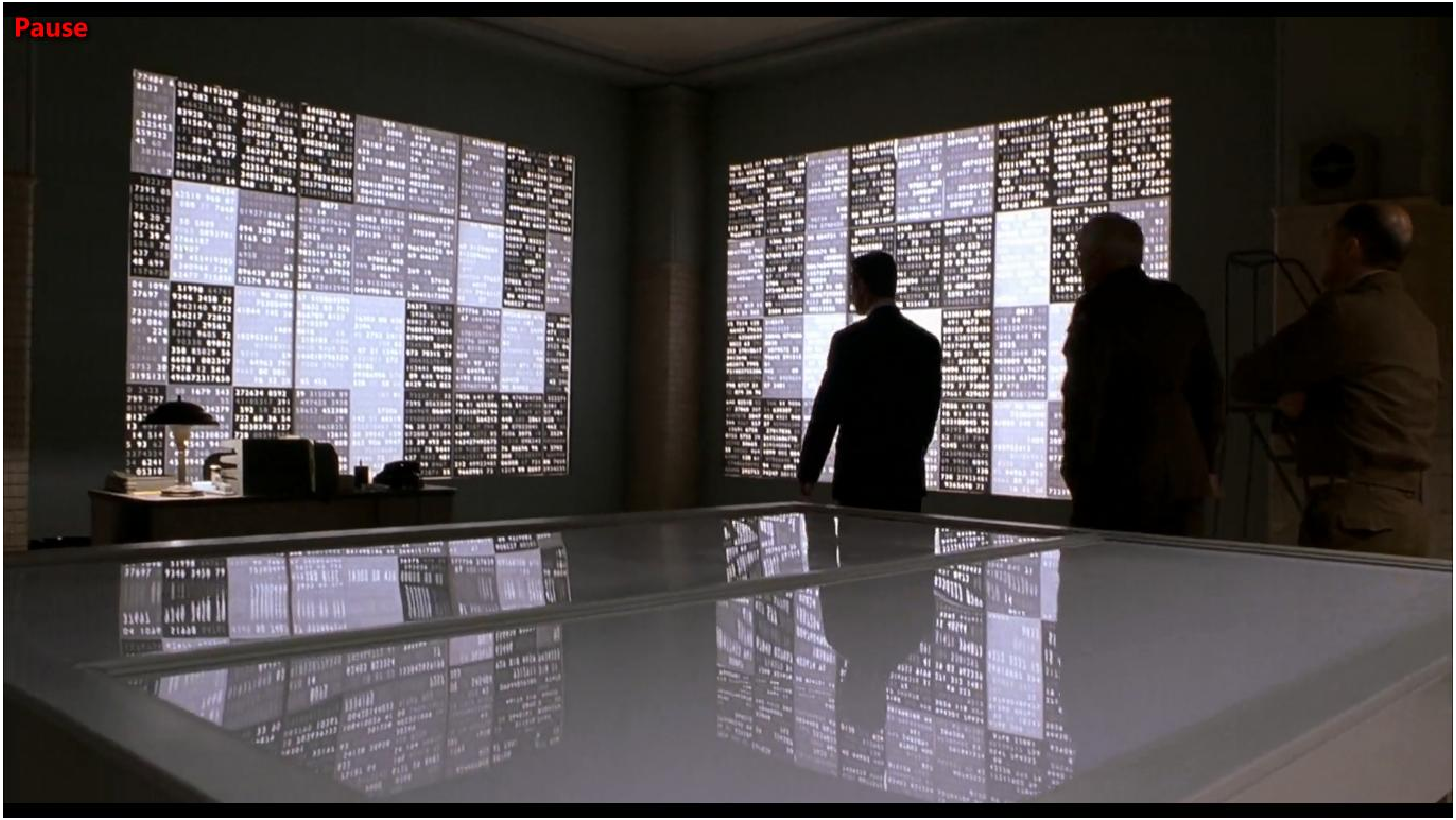
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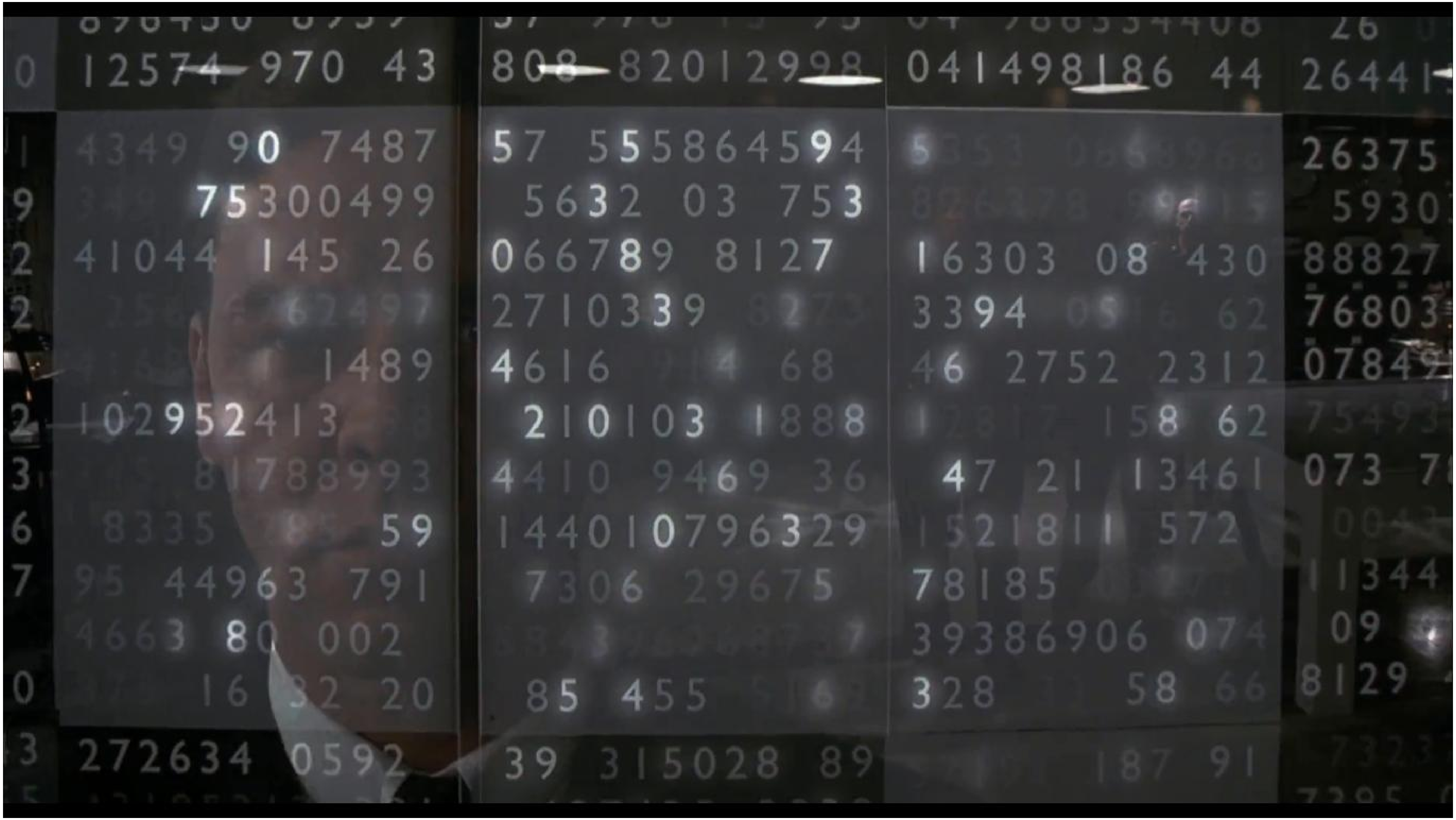

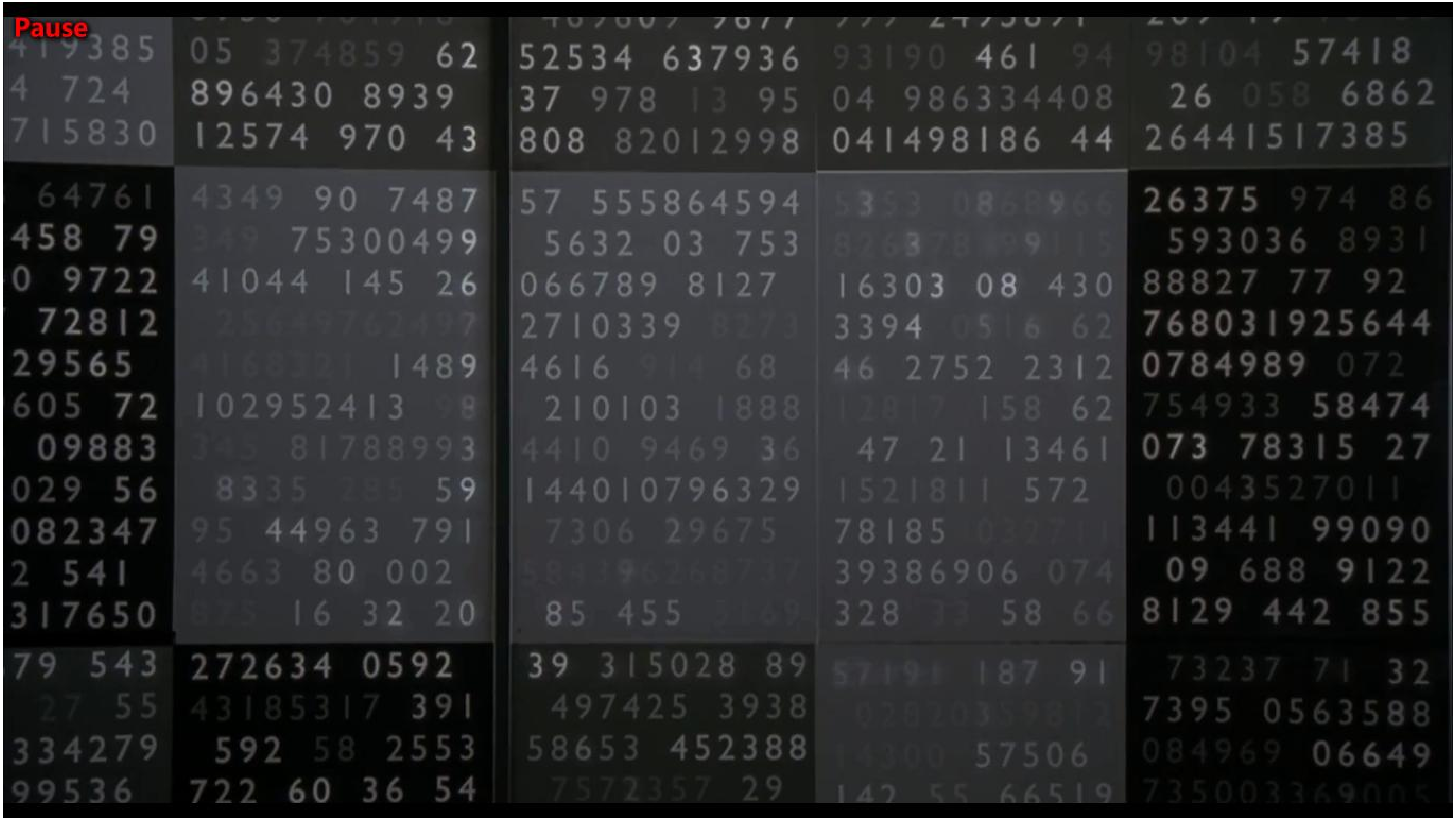

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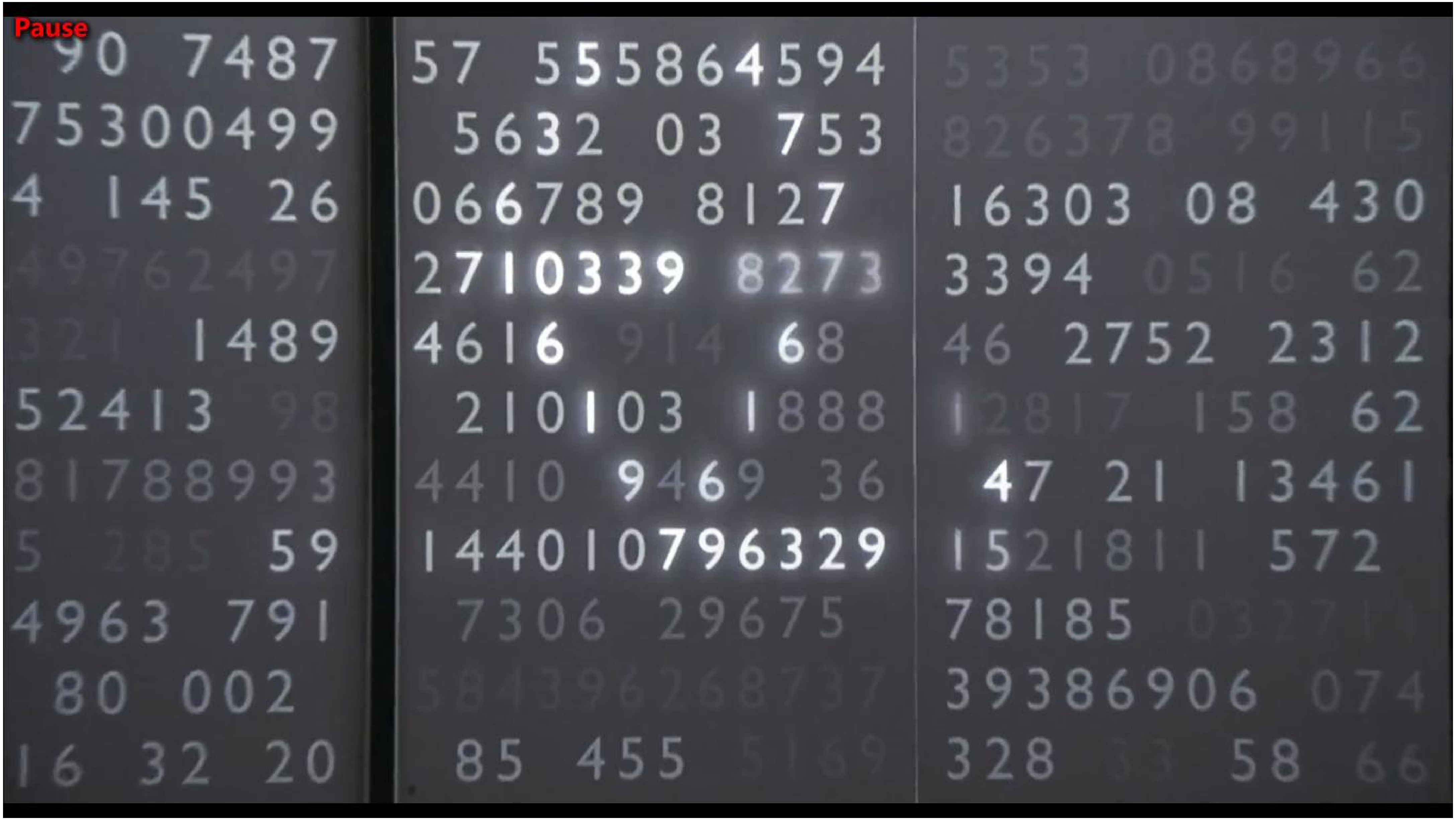
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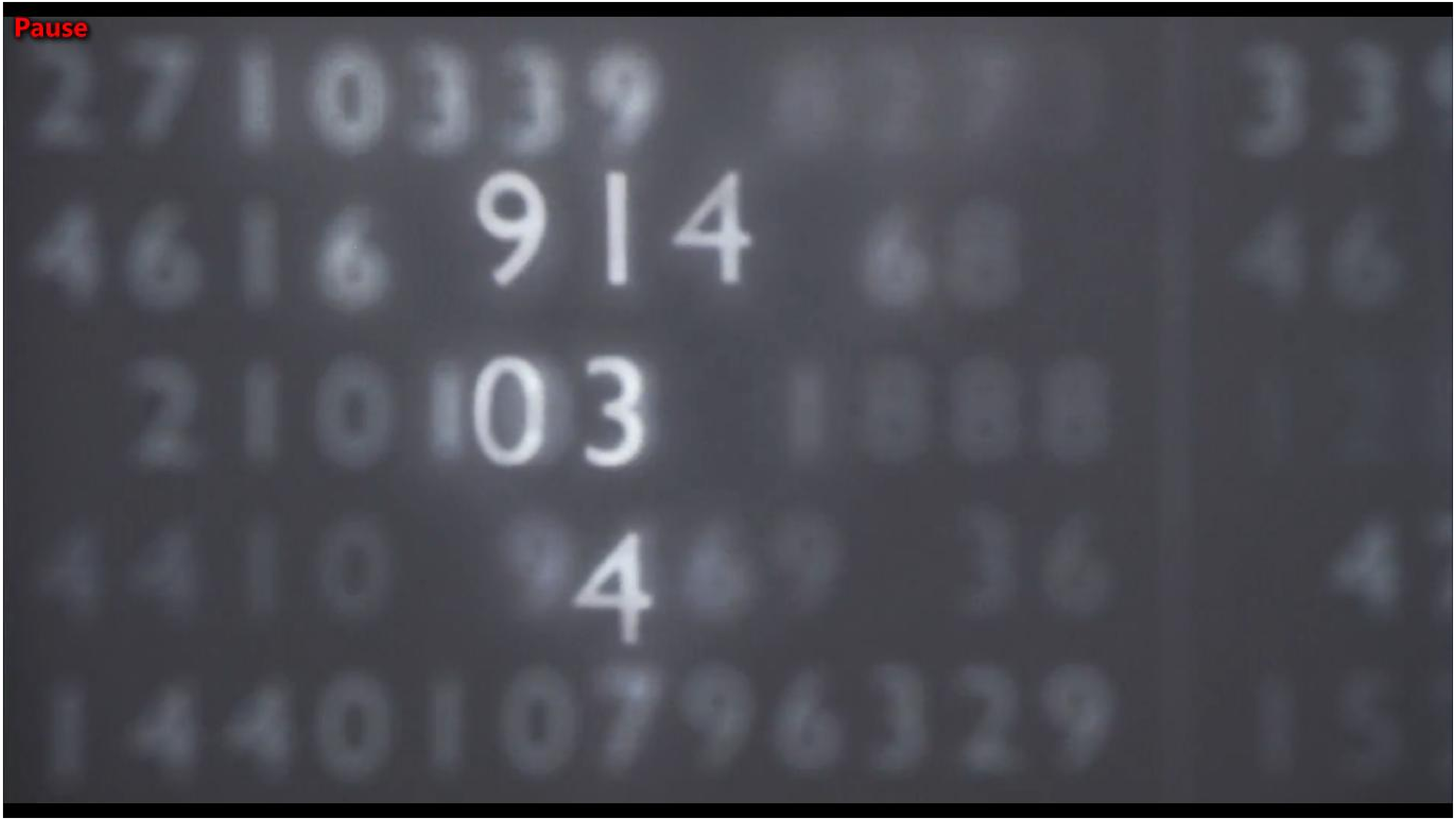
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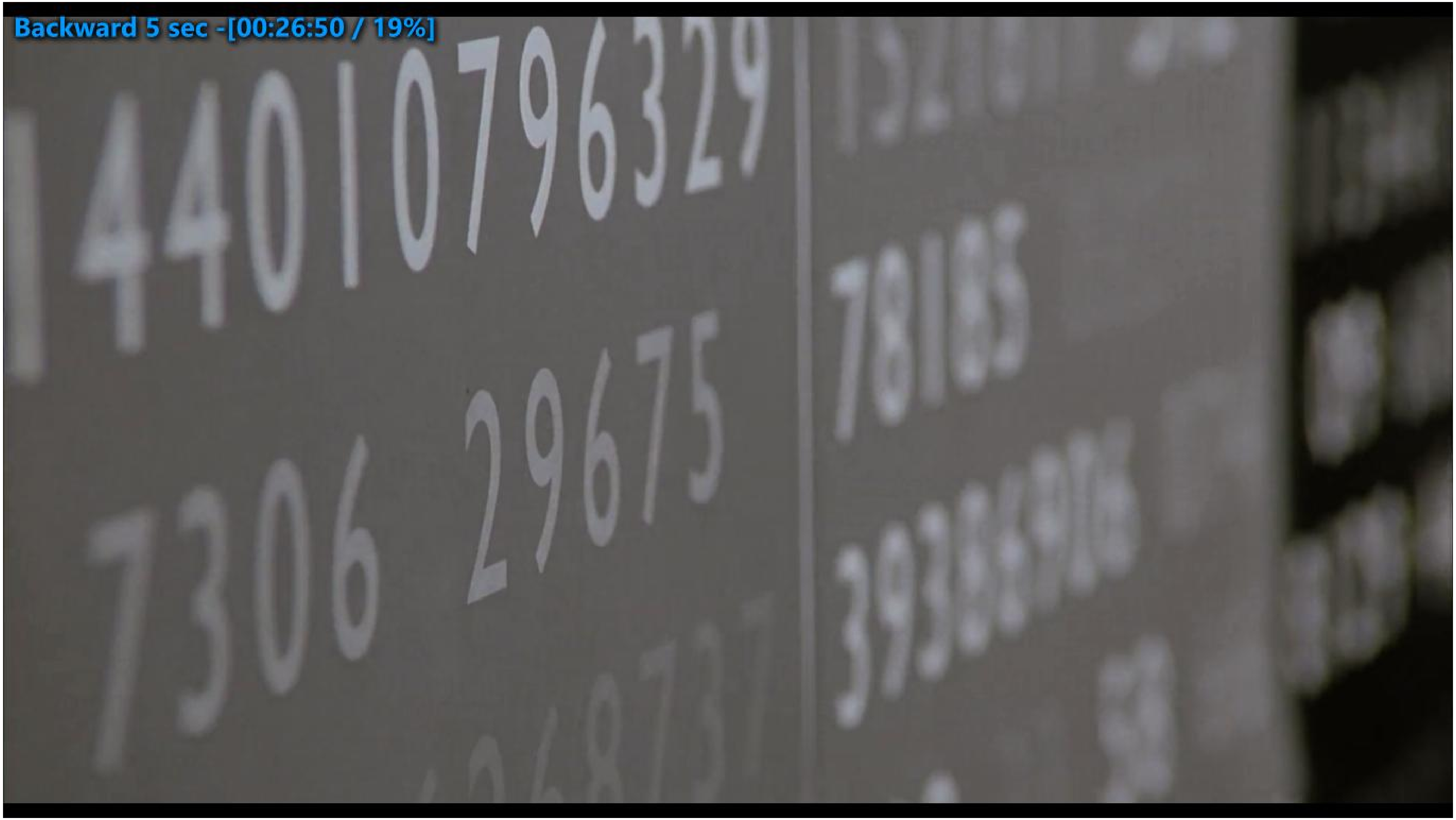
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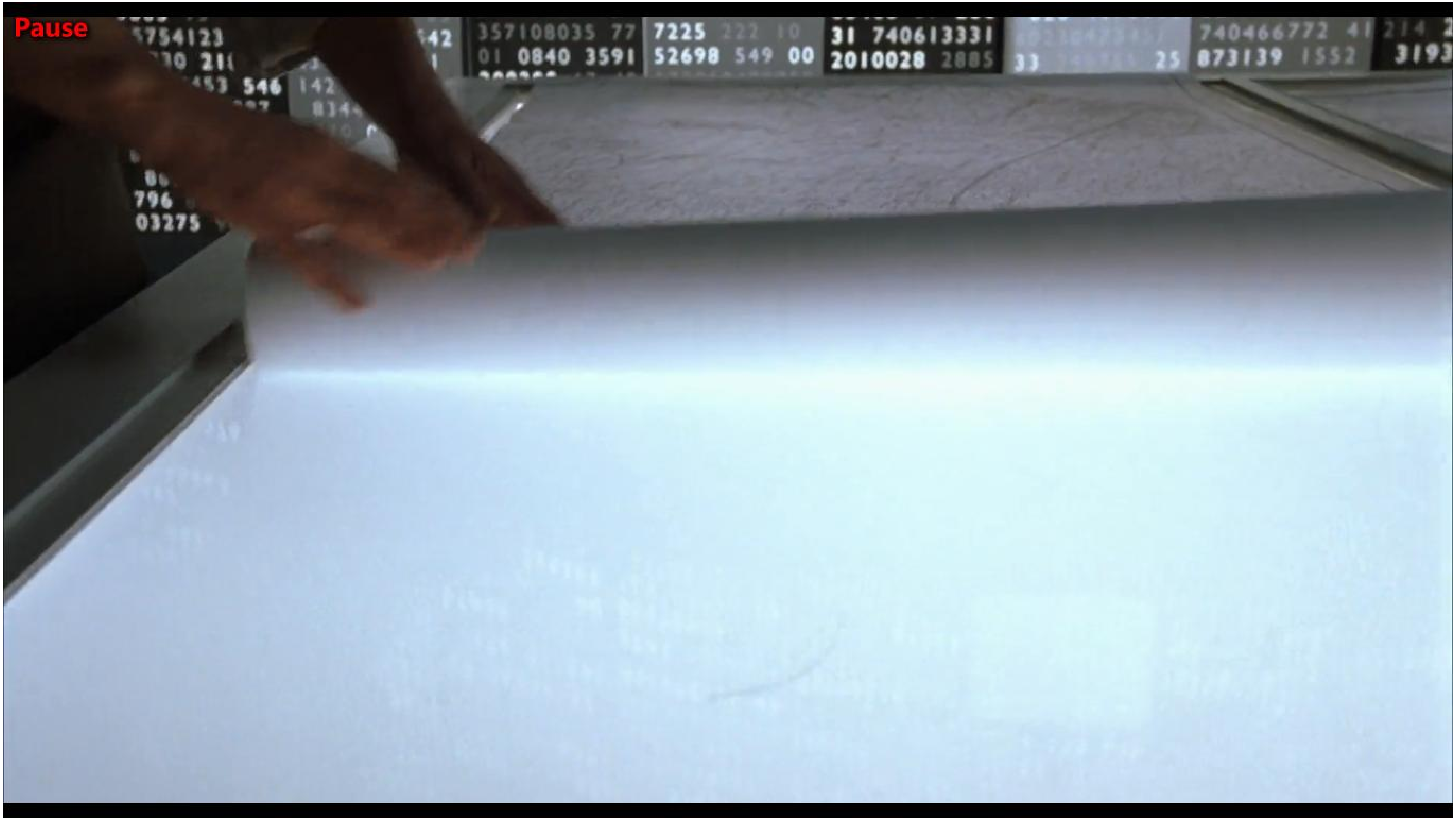
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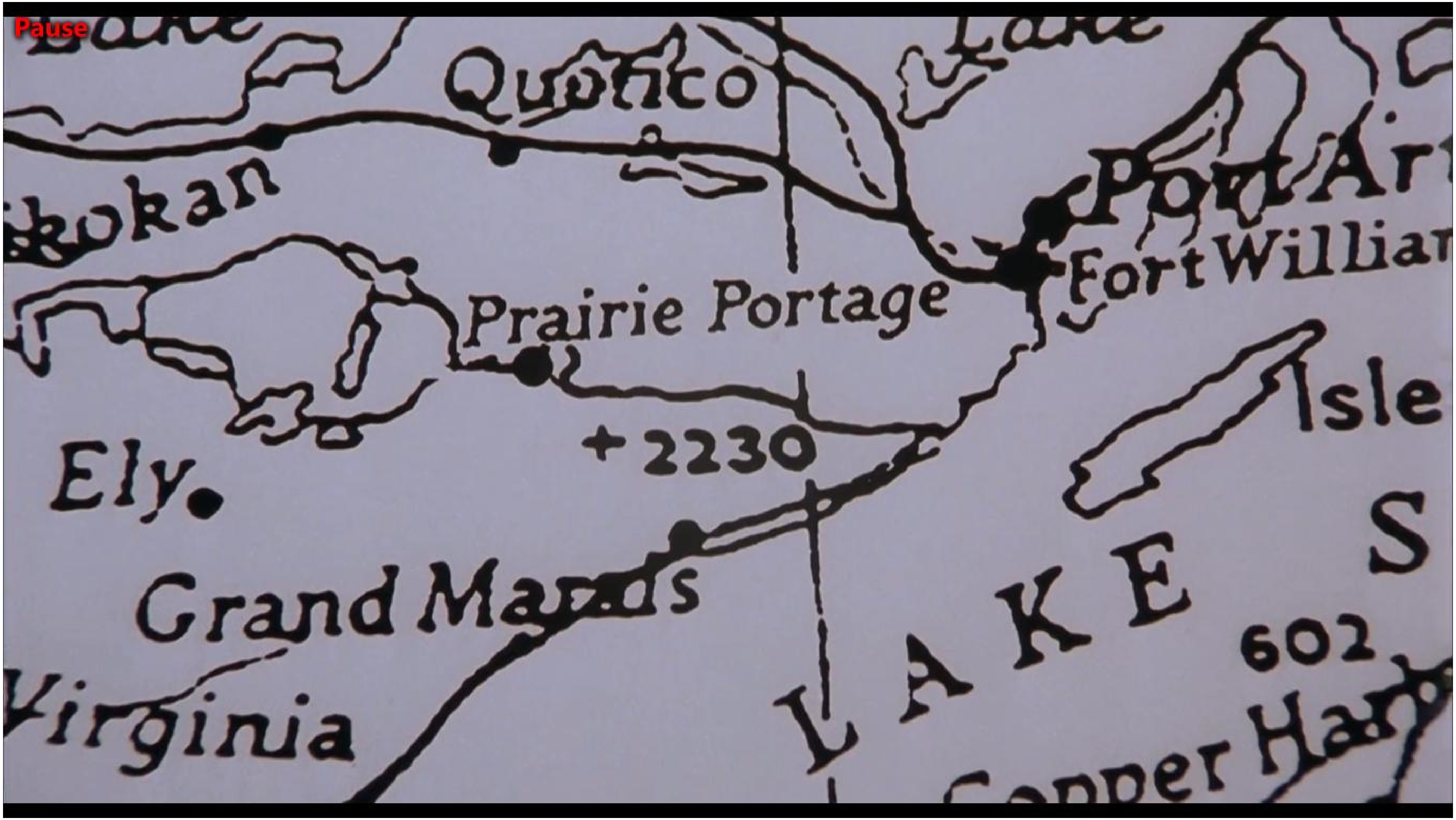
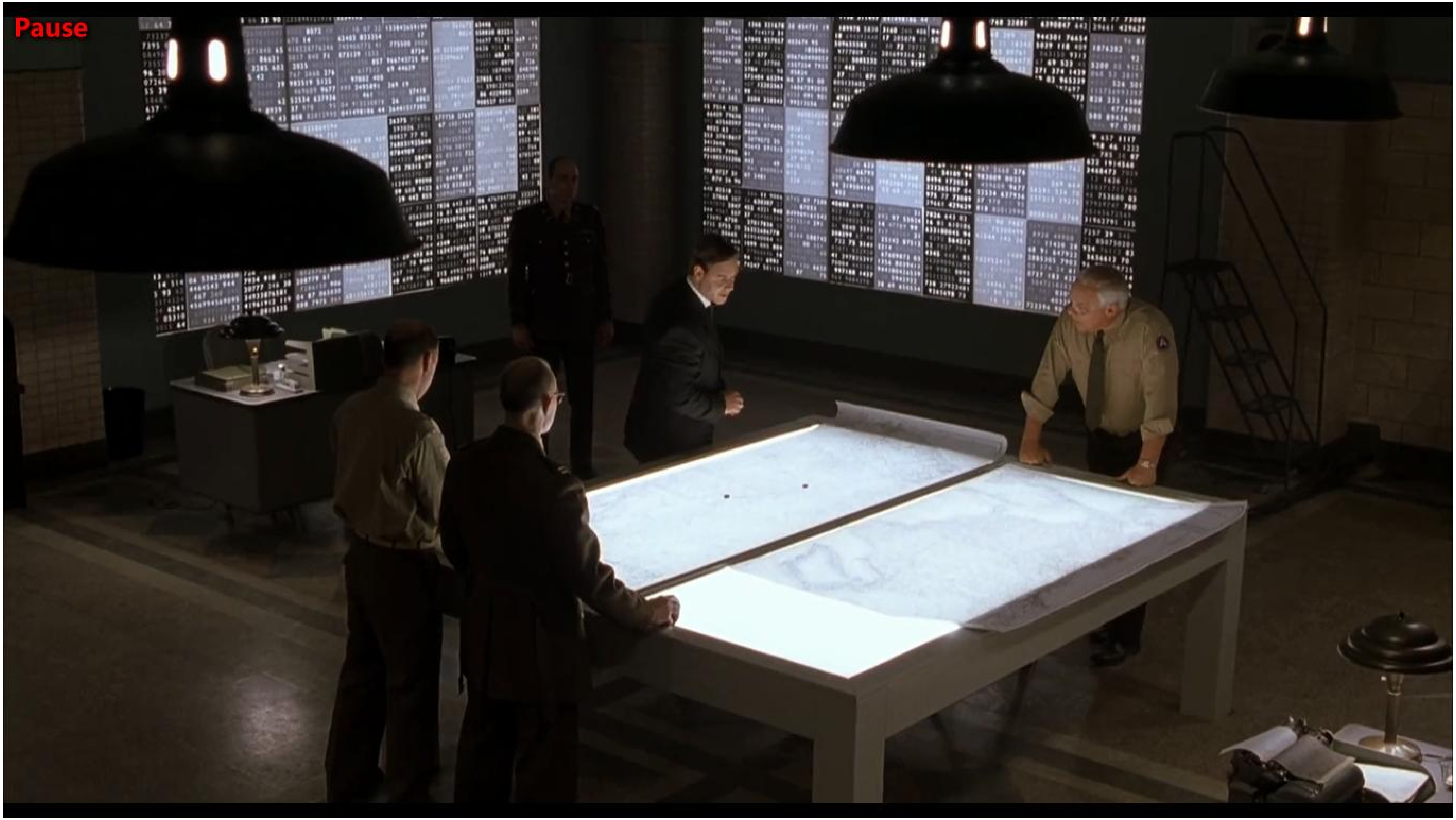

Pause
Prairie Portage
+ 2230
Ely
Isle
LAKE
602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Pause


WHEELER DEFENSE LABS
MIT CAMPUS


Backward 5 sec -[00:28:28 / 21%]


Pause

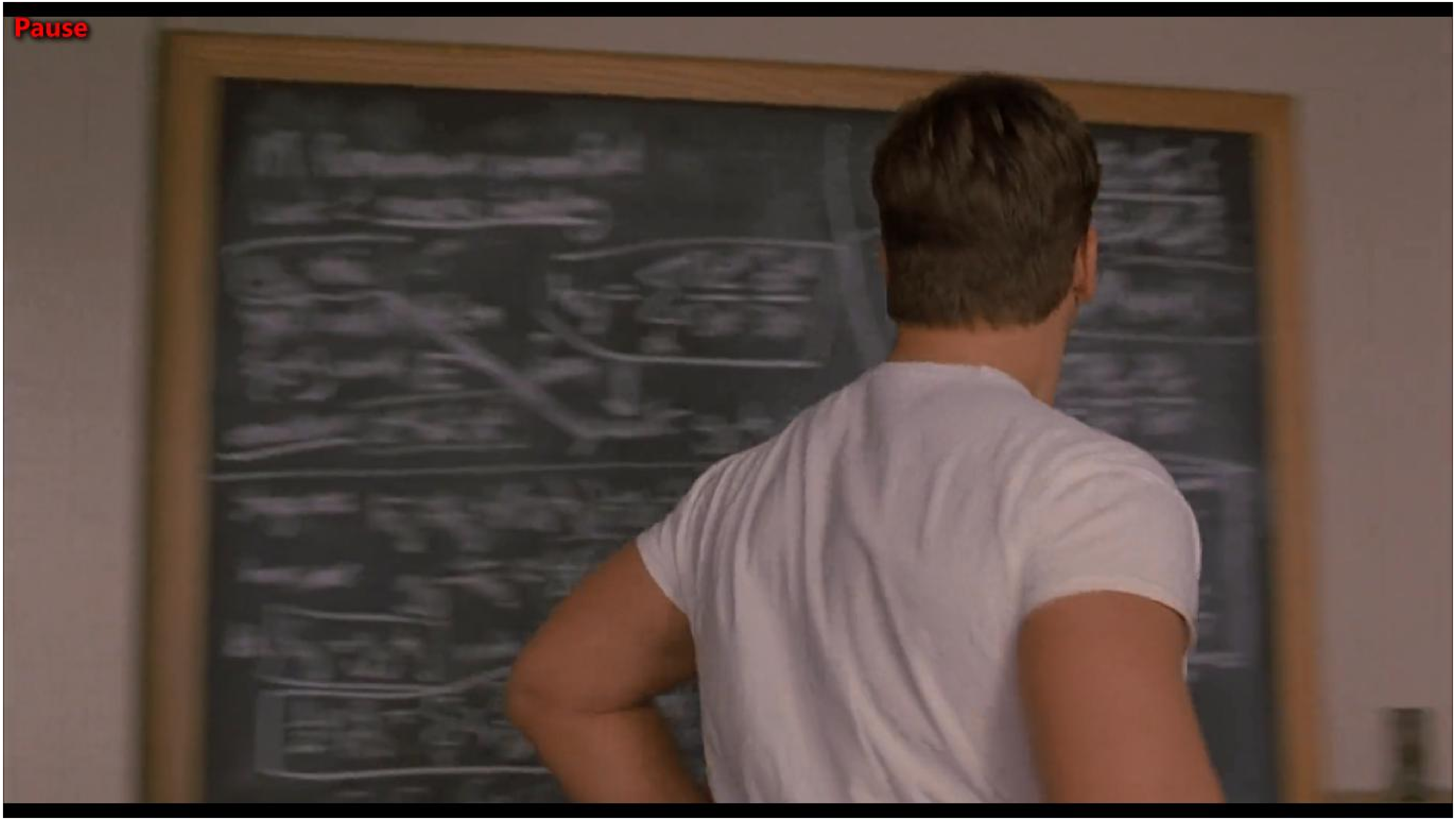

Pause


Pause


Pause


Pause


Pause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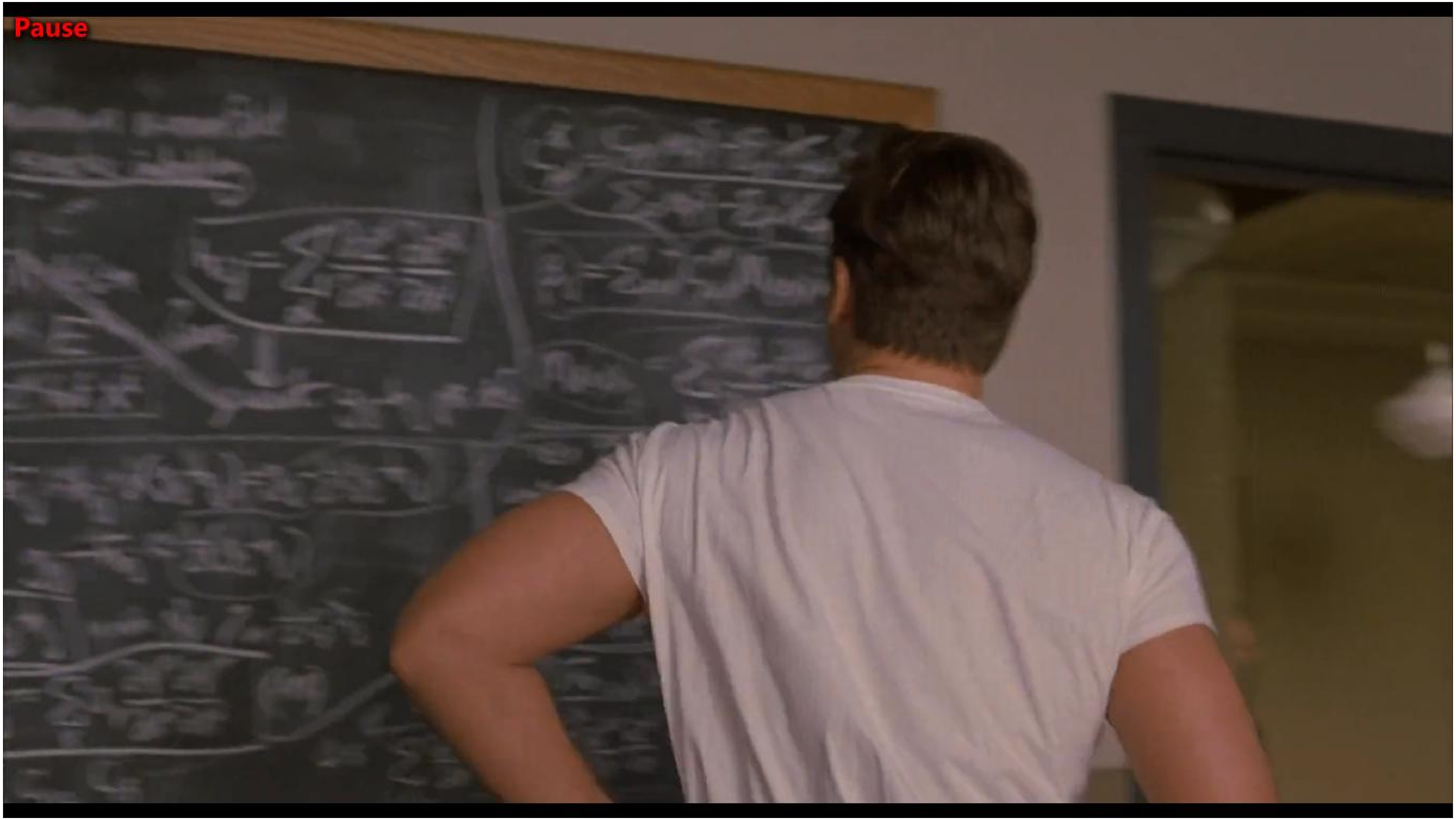
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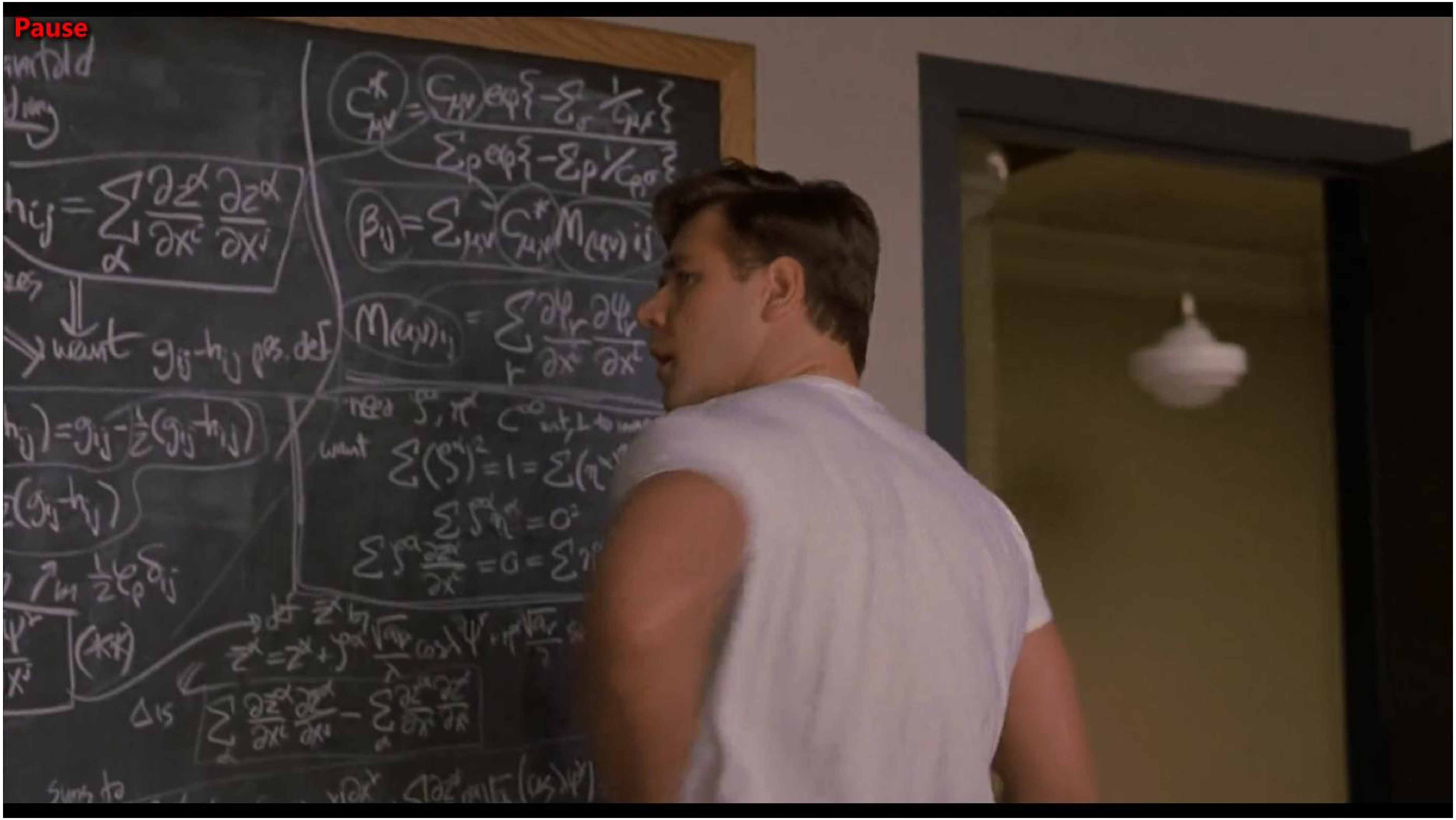
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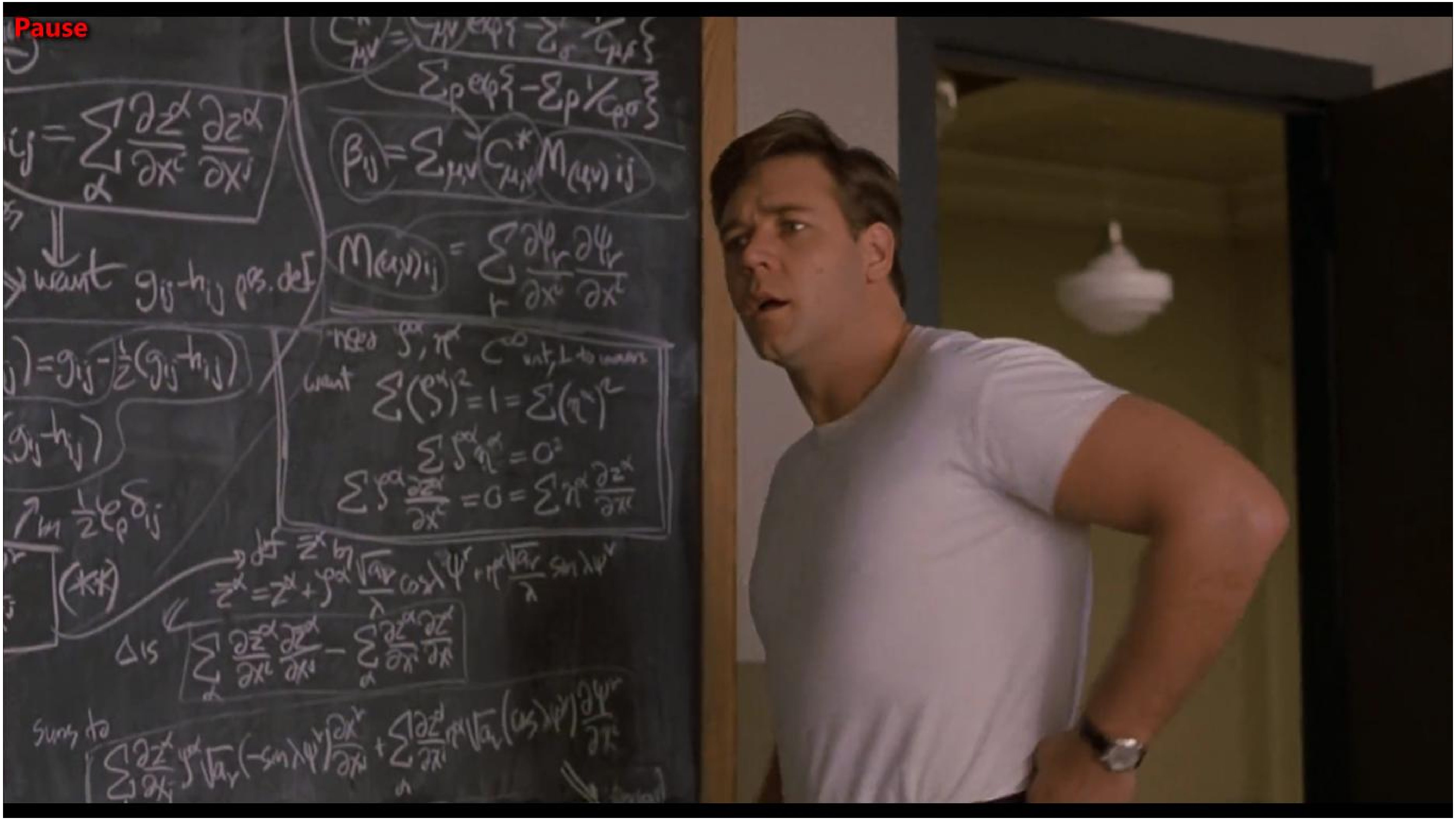
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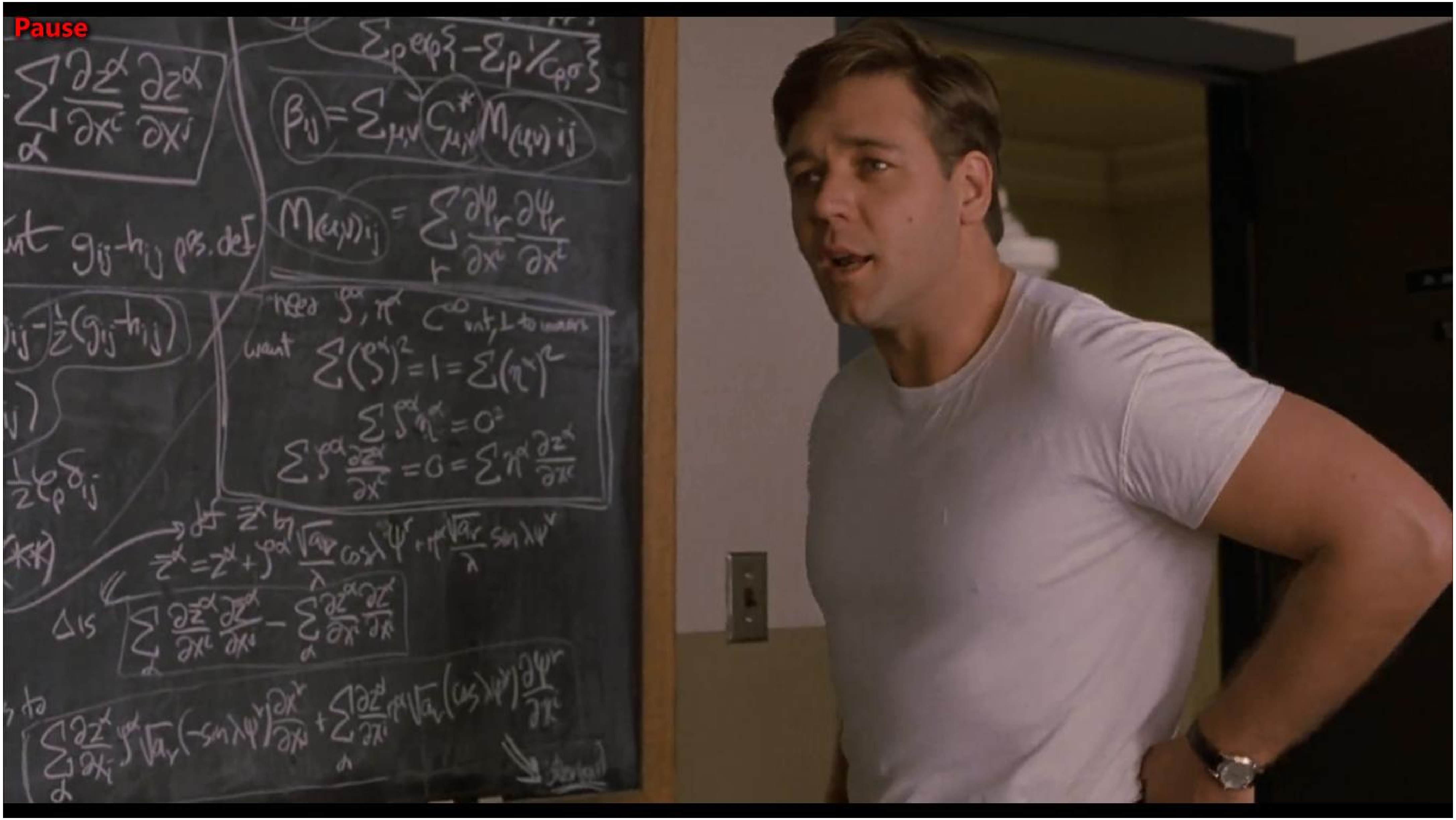
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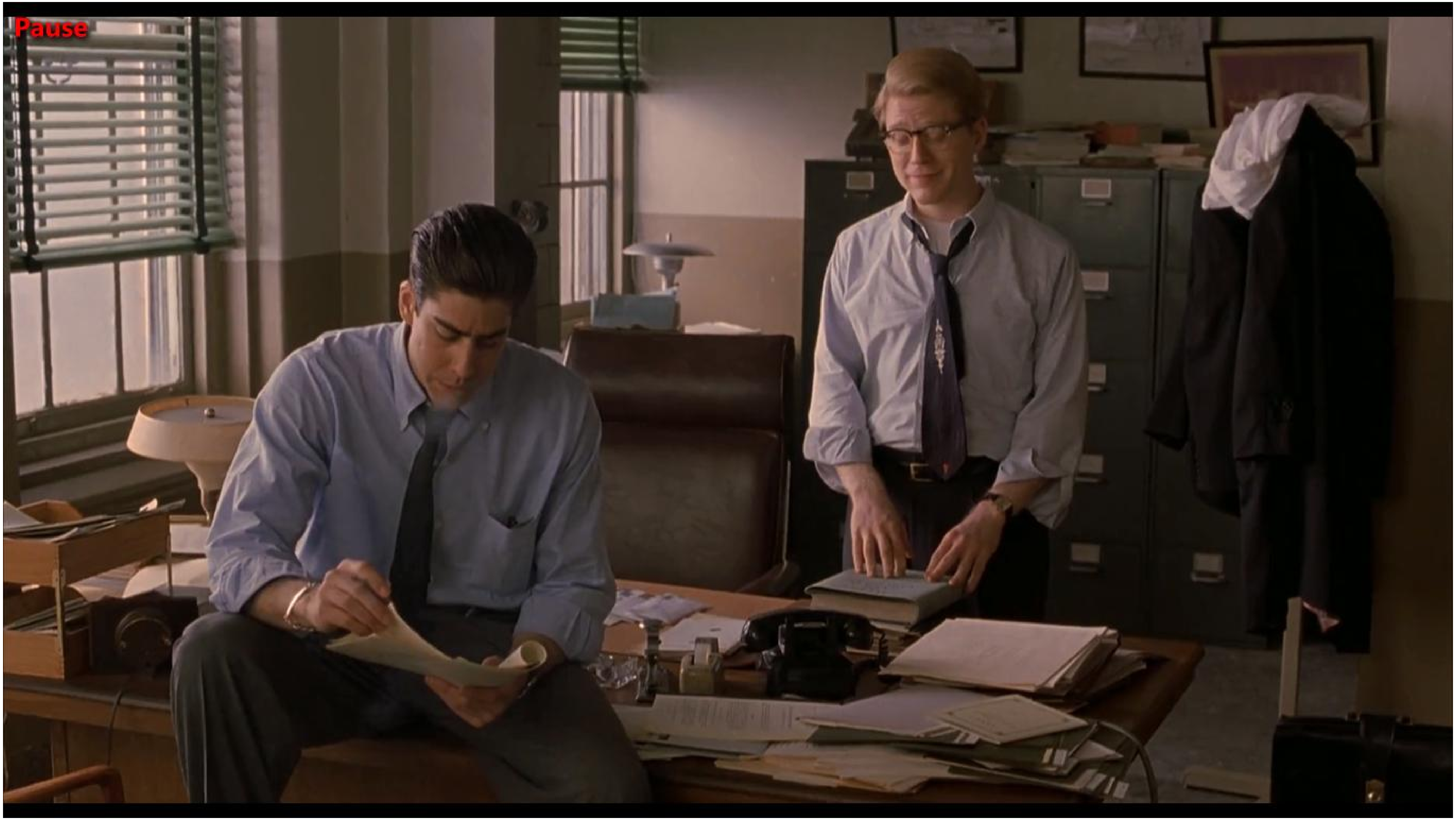
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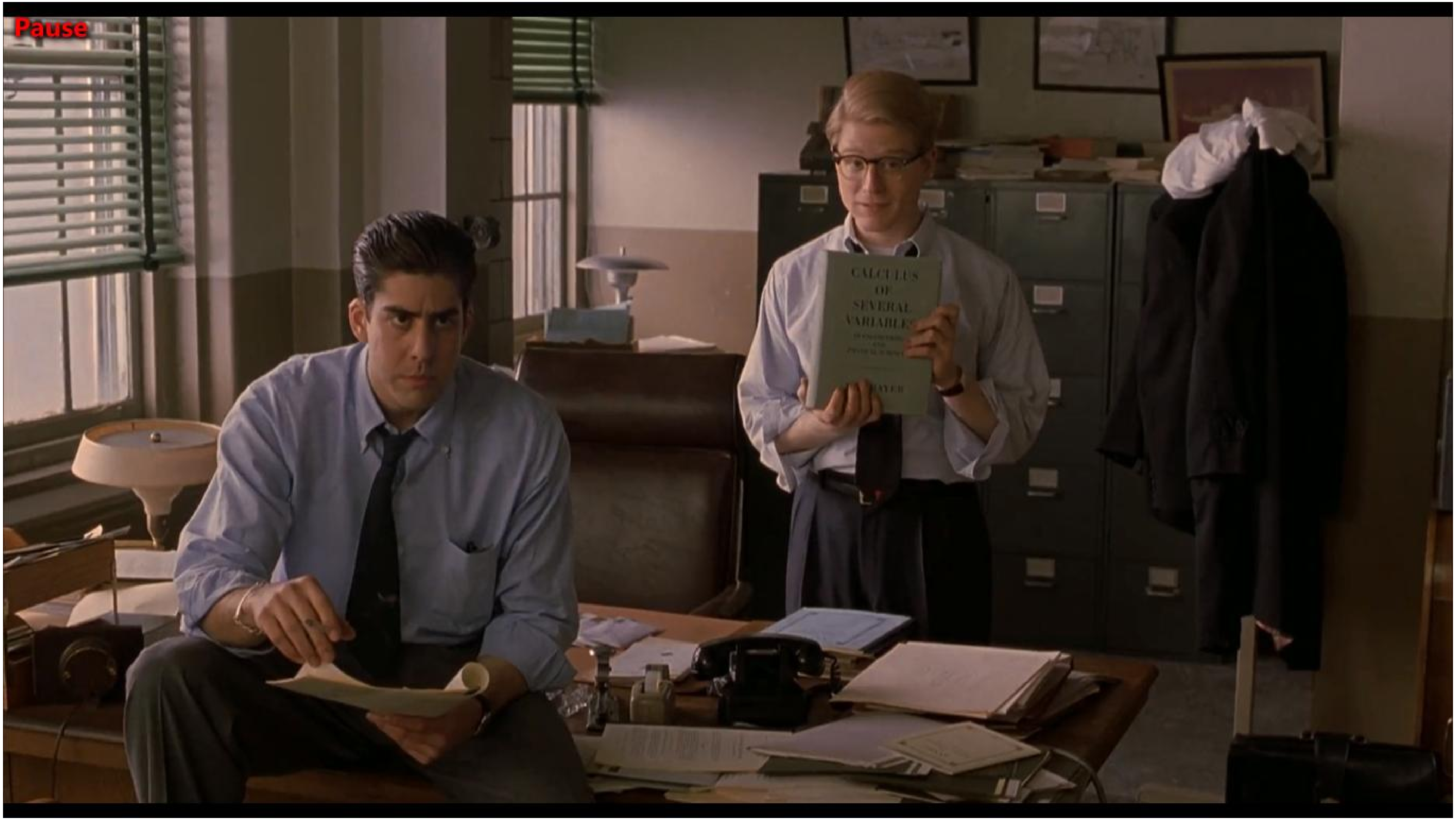
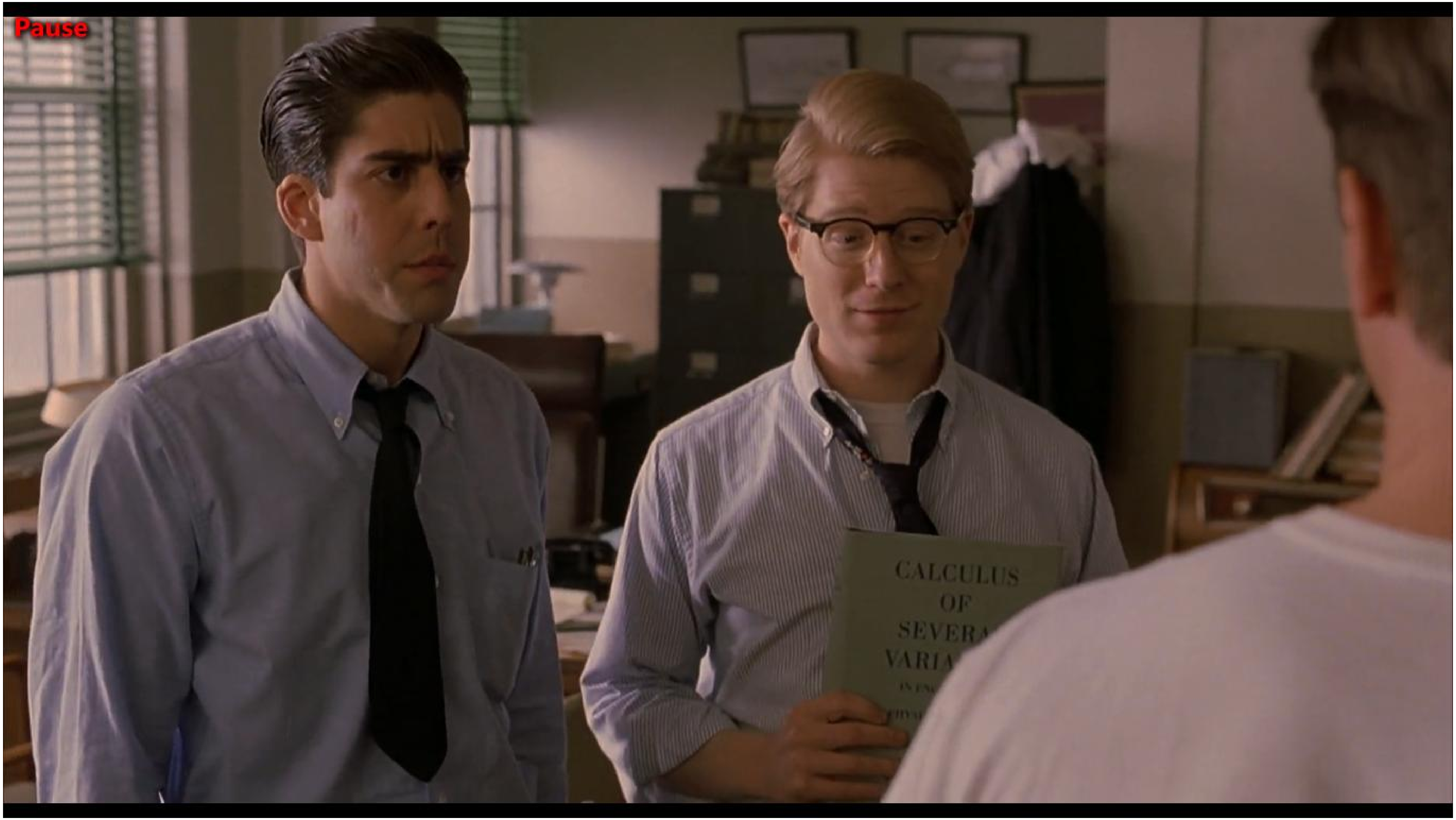

Pause
CALCULUS
OF
SEVERAL
VARIABLES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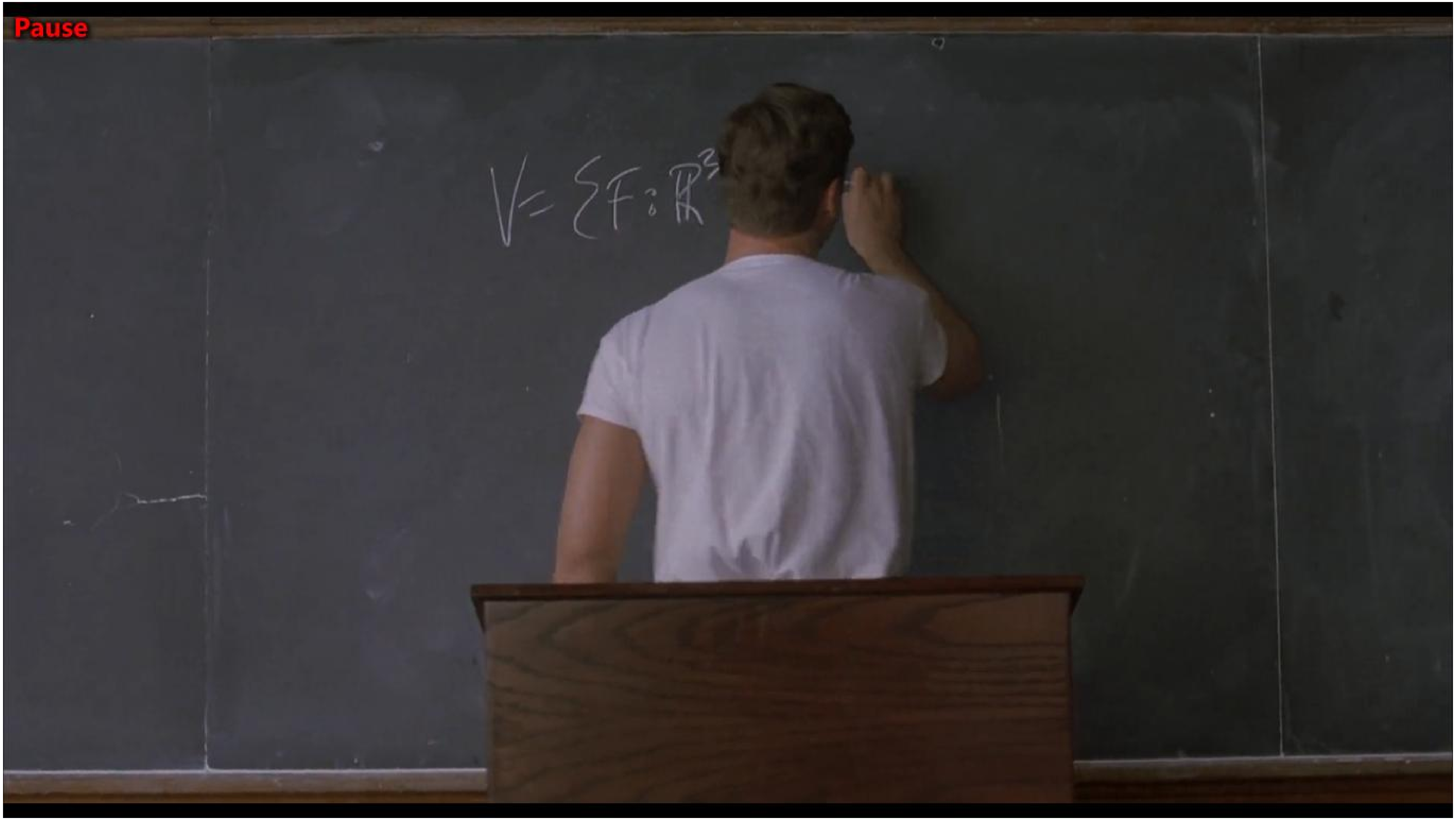
CALCULUS
OF
SEVERA
VARIA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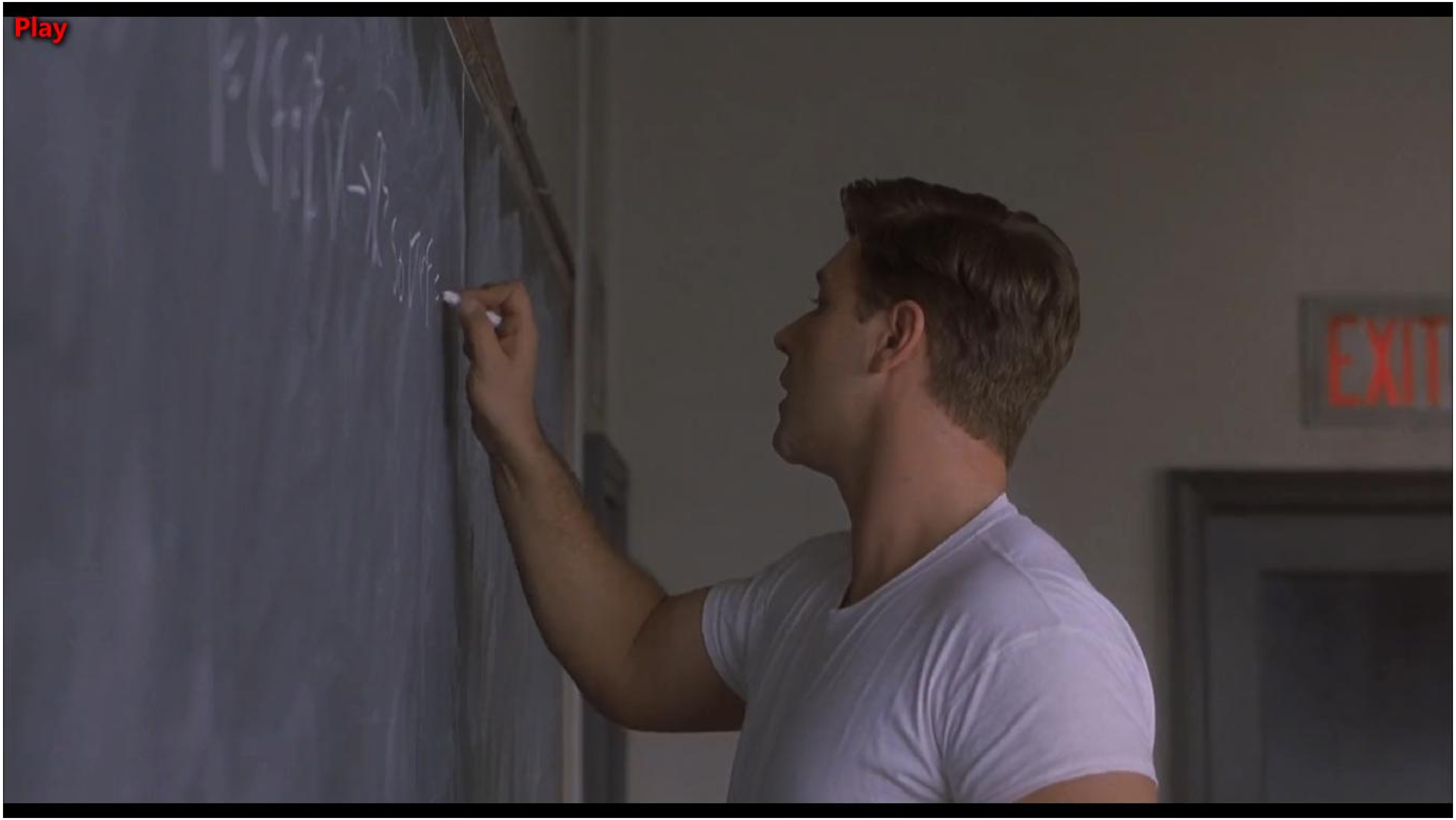
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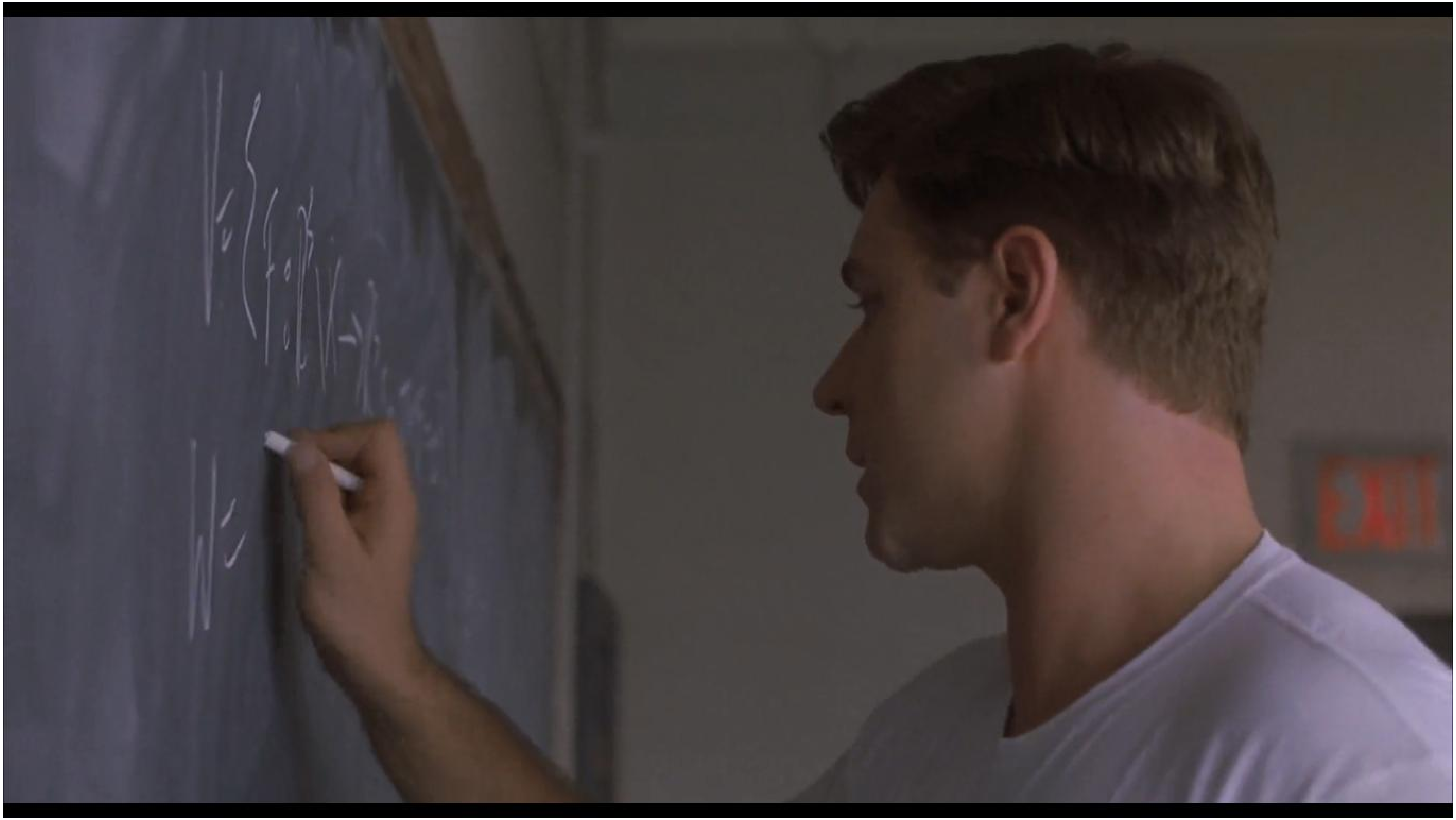
EXIT

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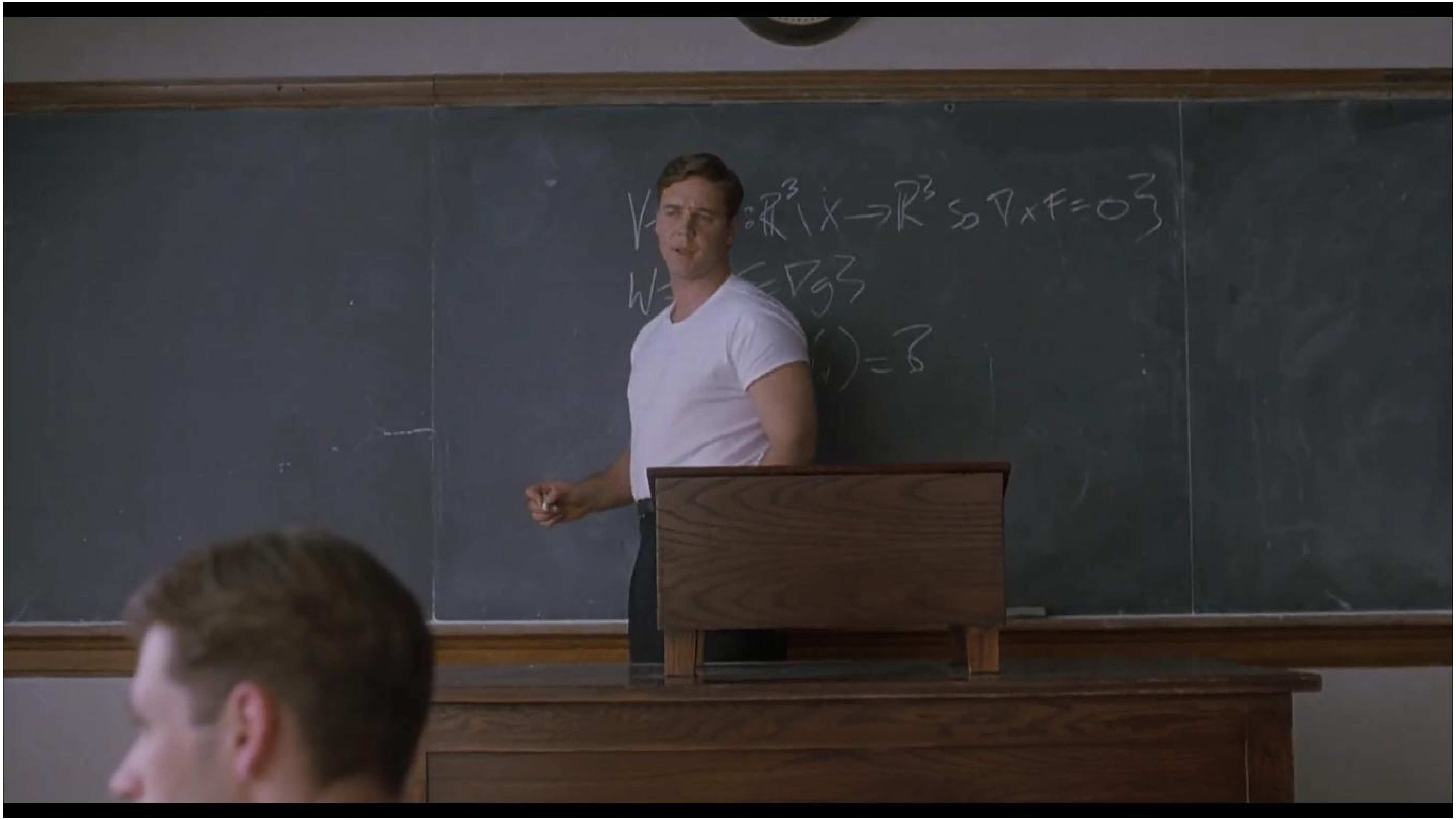
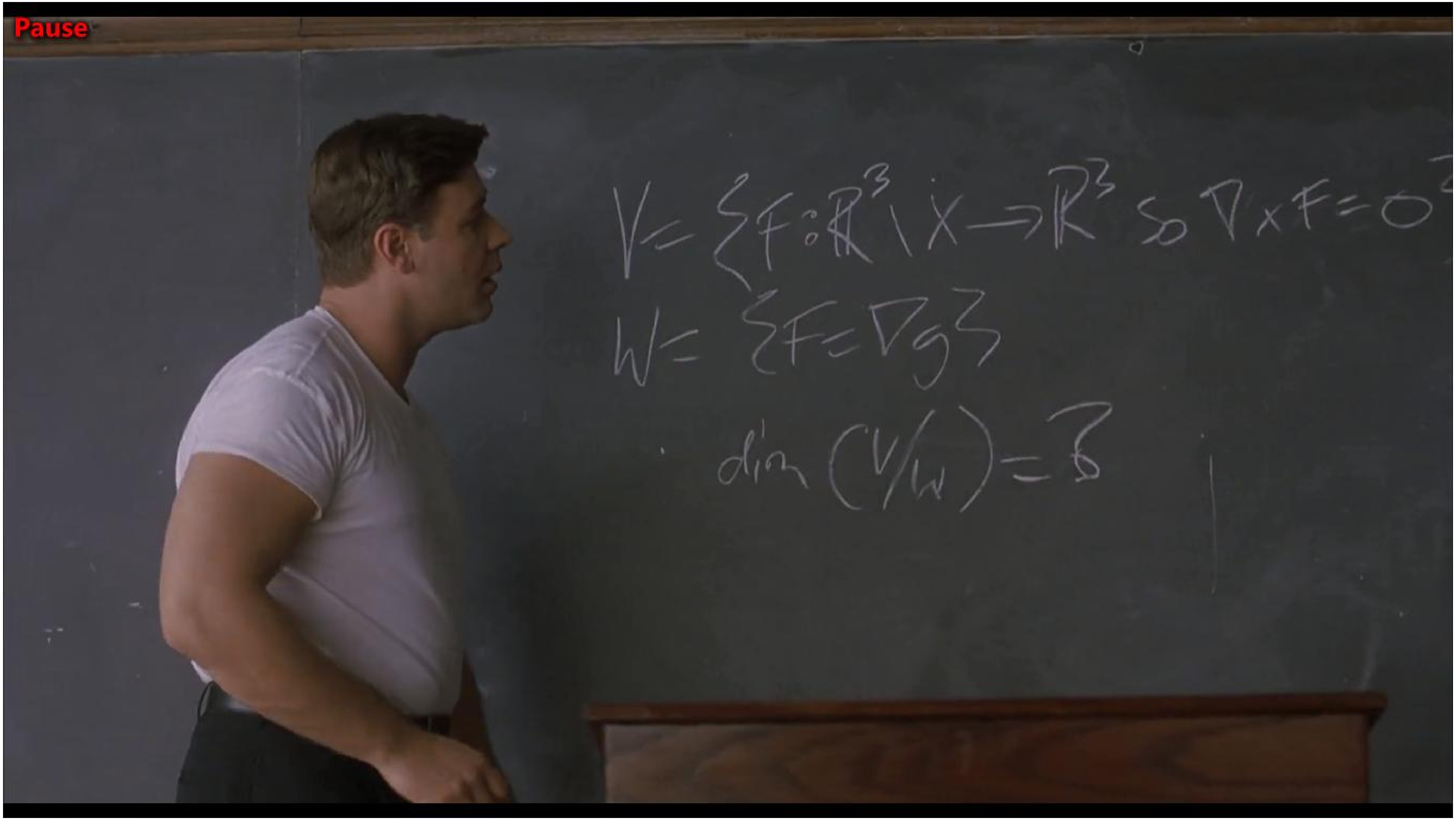



V = { F : R³ \ X ⟶
∇×F = 0 }
W = { F =


Pause
$V = \{F : \mathbb{R}^3 \setminus X \to \mathbb{R}^3 \text{ so } \nabla \times F = 0\}$
$W = \{F = \nabla g\}$
$\dim(V/W) = 3$


Forward 5 sec -[00:32:29 / 24%]


Pause
Department of Defense

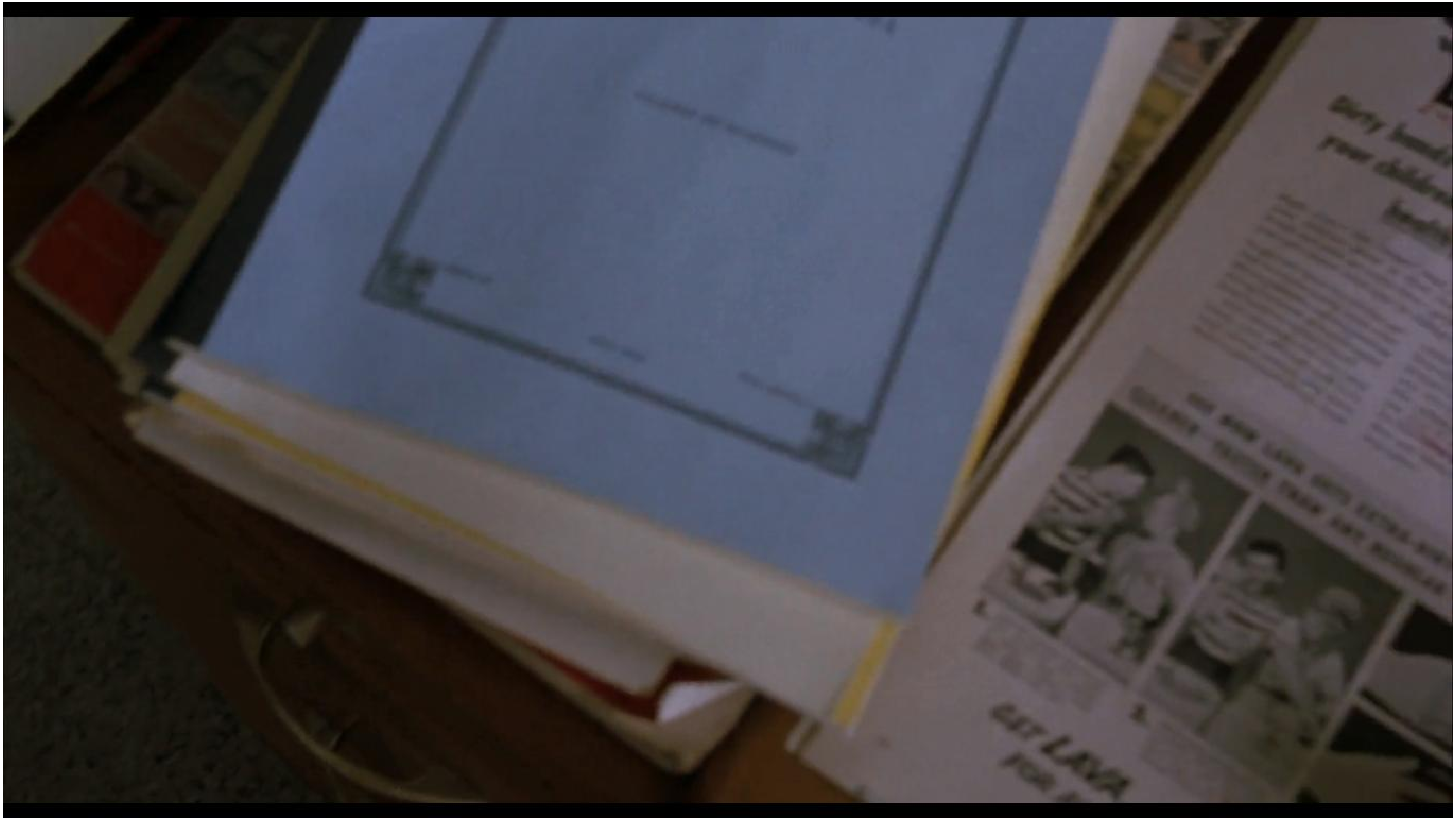

Pause

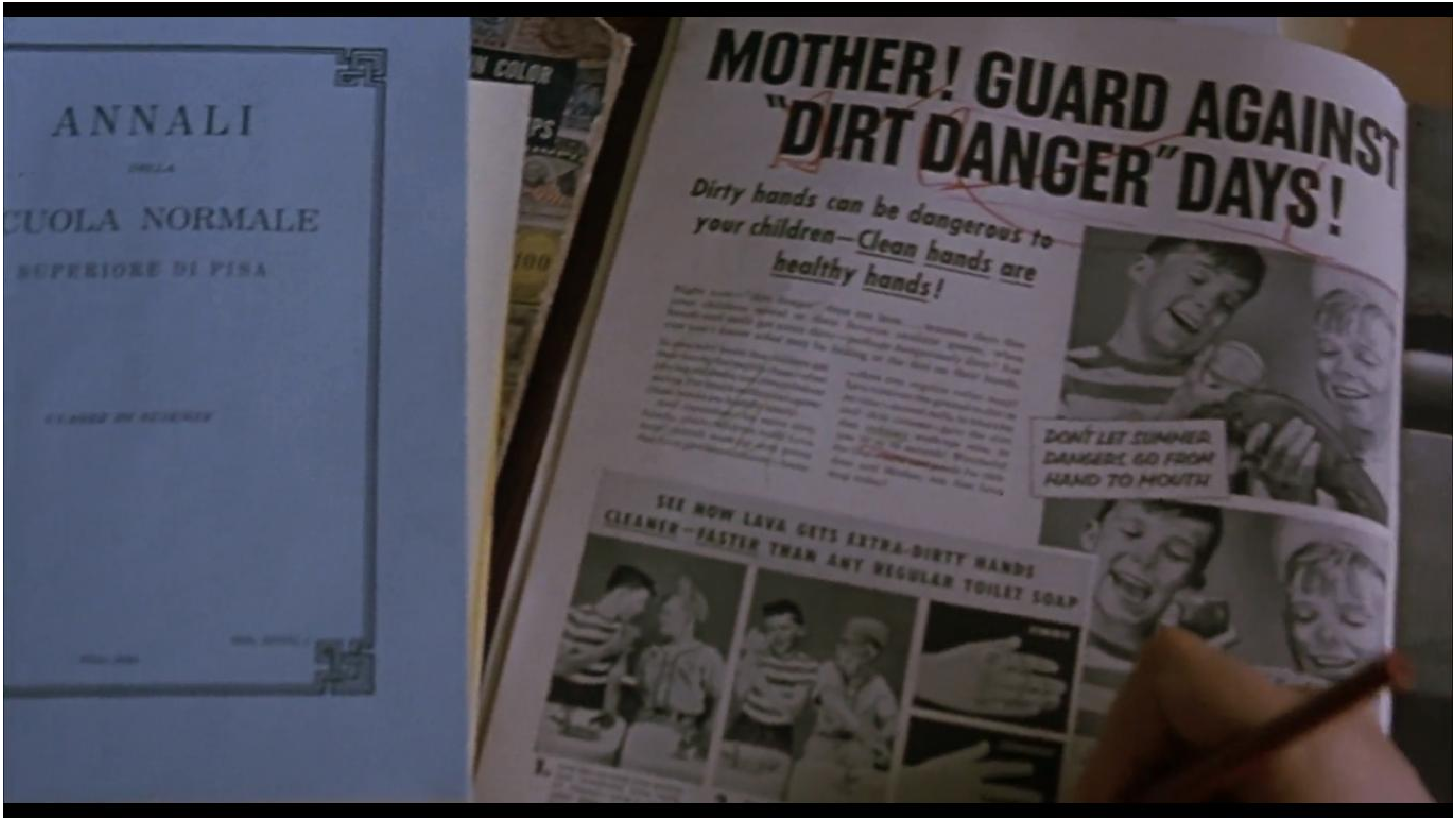

Pause


Backward 5 sec -[00:35:04 / 25%]


Forward 5 sec -[00:35:06 / 25%]


Pause
LIFE




ANNALI
DELLA
CUOLA NORMALE
SUPERIORE DI PISA
MOTHER! GUARD AGAINST "DIRT DANGER" DAYS!
Dirty hands can be dangerous to your children—Clean hands are healthy hands!
DON'T LET SUMMER DANGERS GO FROM HAND TO MOUTH
SEE HOW LAVA GETS EXTRA-DIRTY HANDS CLEANER—FASTER THAN ANY REGULAR TOILET SOAP


Pause


MP


THE TRUCE CAME TO KOREA

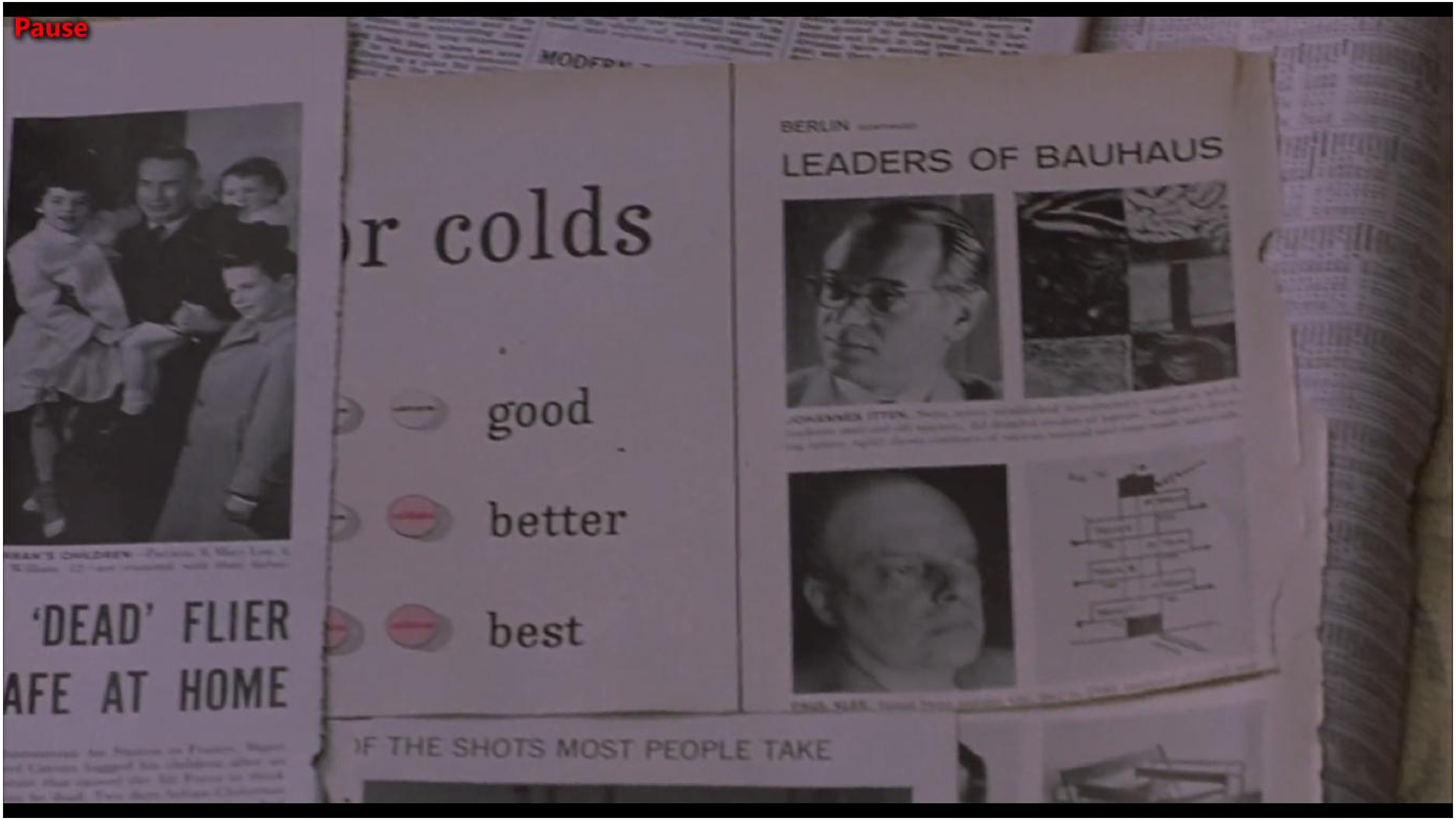

Pause


Play

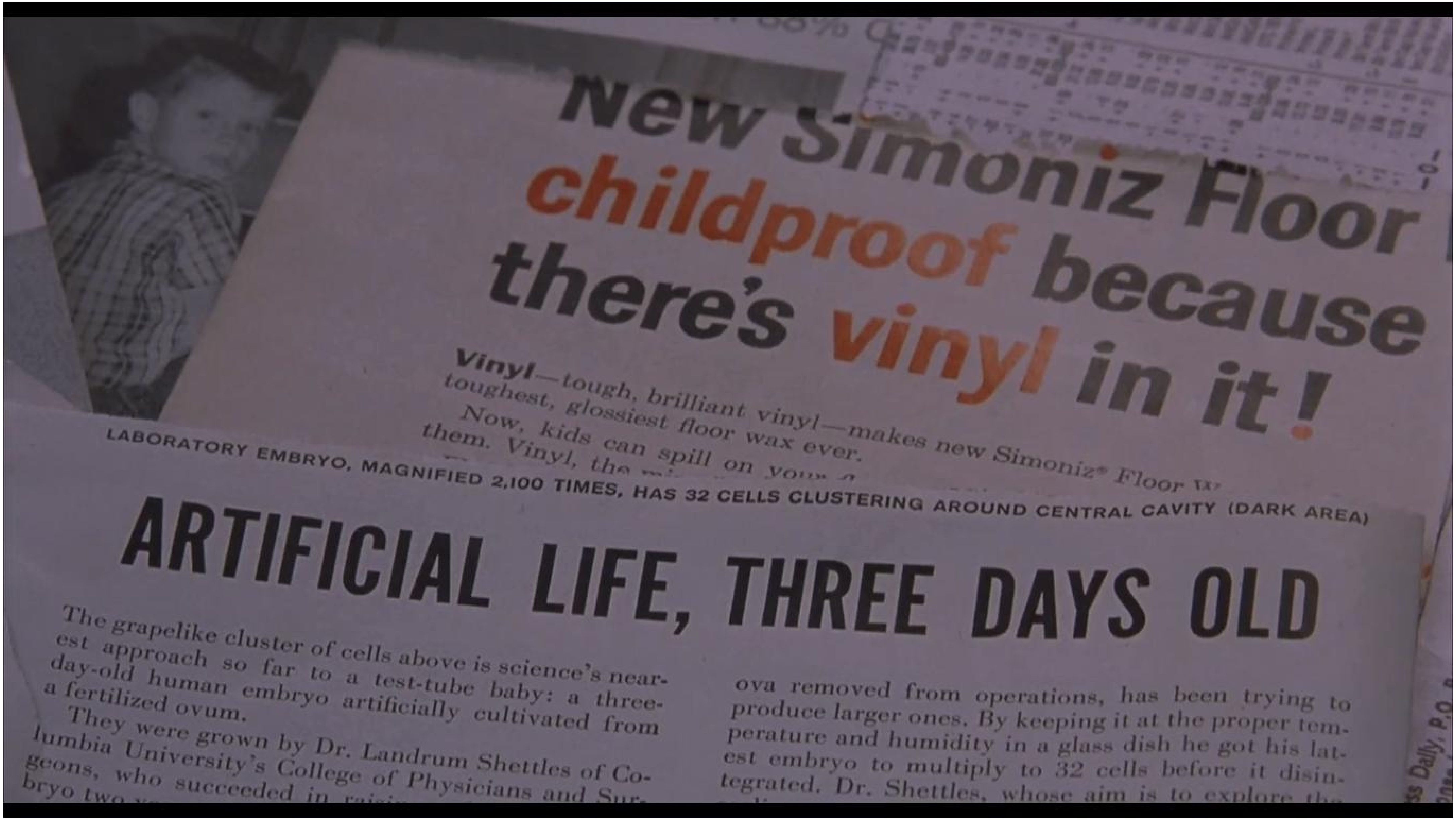

BAUHAUS
1/4 the size
Cold
TIPS
A 'DEAD' FLIER
SAFE AT HOME
ELECTRIC


A FAMILY CHRISTMAS
flash bulbs
3¢ less, get
New Simoniz Floor
childproof because
there's vinyl in it!
A Coach on a Critical Spot
Cold
¼ the size
A 'DEAD' FLIER
SAFE AT HOME
ELECTRIC
TIPS


MURINE
ARTIFICIAL LIFE, THREE DAYS OLD
Milk of Magnesia
gives more complete
relief
PASSING


Pause
r colds
good
better
best
BERLIN
LEADERS OF BAUHAUS
'DEAD' FLIER
AFE AT HOME
F THE SHOTS MOST PEOPLE TAKE


How we retired in 15 years
with $300 a month
WORKS (LEFT) STAND READY TO BE TAKEN TO GARDEN. REJECTS (RIGHT) WAIT TO BE RETURNED TO OWNERS
LLECTION OF ART
SCRIBES BEATING



New Simoniz Floor childproof because there's vinyl in it!

Vinyl—tough, brilliant vinyl—makes new Simoniz® Floor W toughest, glossiest floor wax ever.

Now, kids can spill on your them. Vinyl, the

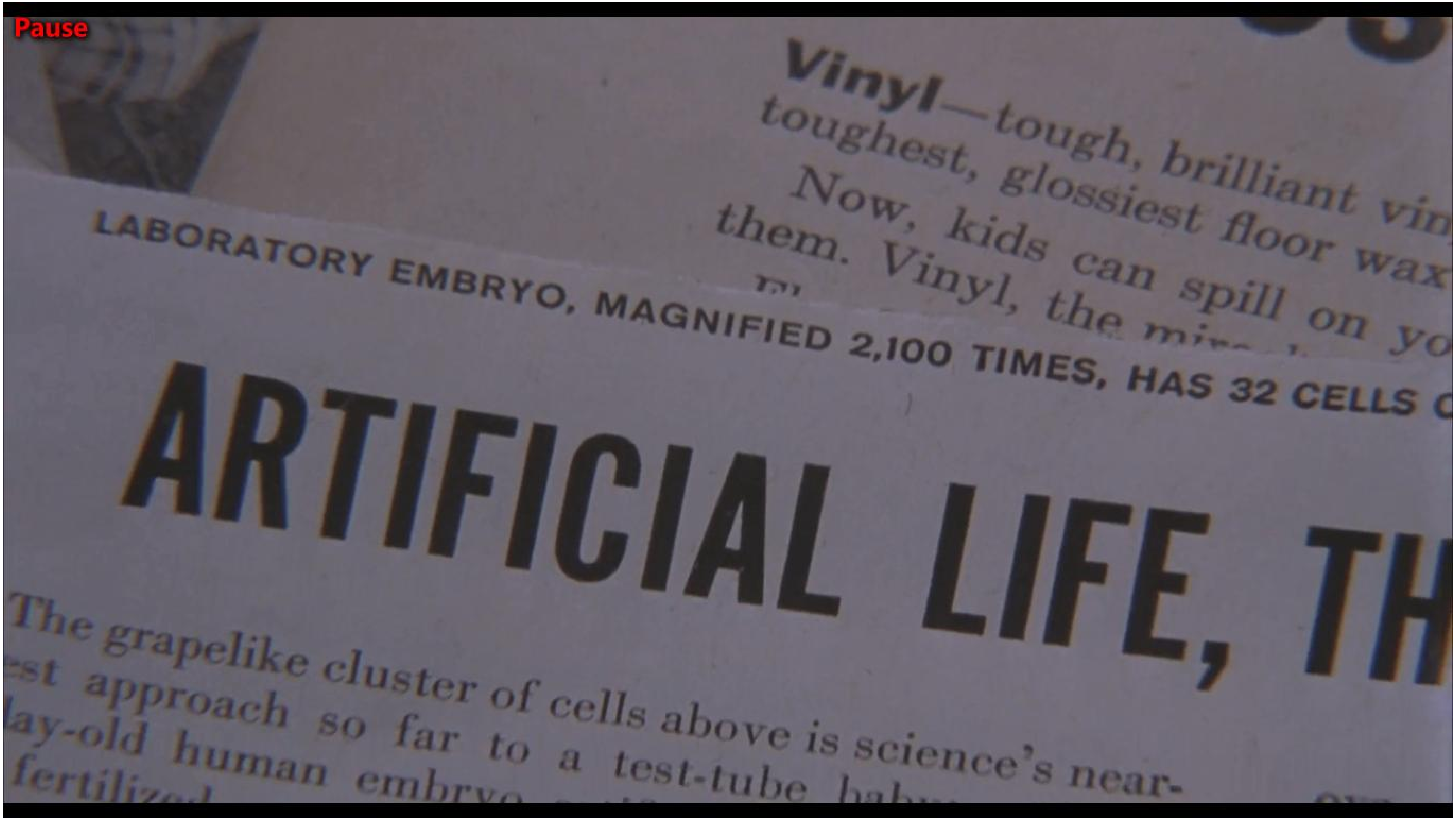
LABORATORY EMBRYO, MAGNIFIED 2,100 TIMES, HAS 32 CELLS CLUSTERING AROUND CENTRAL CAVITY (DARK AREA)

ARTIFICIAL LIFE, THREE DAYS OLD

The grapelike cluster of cells above is science's nearest approach so far to a test-tube baby: a three-day-old human embryo artificially cultivated from a fertilized ovum.

They were grown by Dr. Landrum Shettles of Columbia University's College of Physicians and Surgeons, who succeeded in raisi bryo two

ova removed from operations, has been trying to produce larger ones. By keeping it at the proper temperature and humidity in a glass dish he got his latest embryo to multiply to 32 cells before it disintegrated. Dr. Shettles, whose aim is to explore the


Pause
Vinyl—tough, brilliant vin
toughest, glossiest floor wax
Now, kids can spill on yo
them. Vinyl, the
LABORATORY EMBRYO, MAGNIFIED 2,100 TIMES, HAS 32 CELLS
ARTIFICIAL LIFE, TH
The grapelike cluster of cells above is science's near-
est approach so far to a test-tube
day-old human
fertiliz

Pause

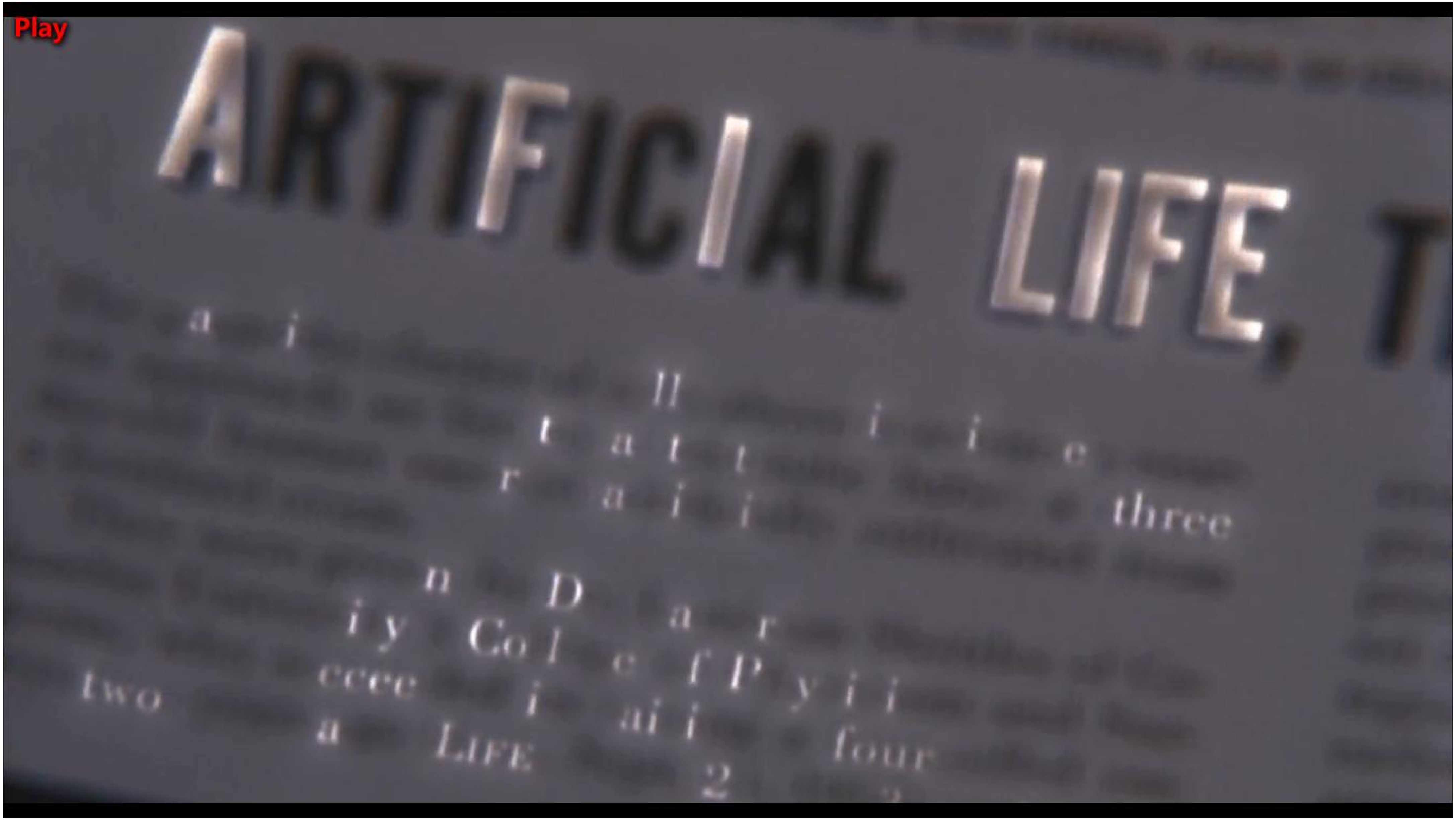
2,100 TIMES, HAS 32 CELL

ARTIFICIAL LIFE, T

The grapelike cluster of cells above is science's near-
est approach so far to a test-tube baby: a three-
day-old human embryo artificially cultivated from
a fertilized ovum.

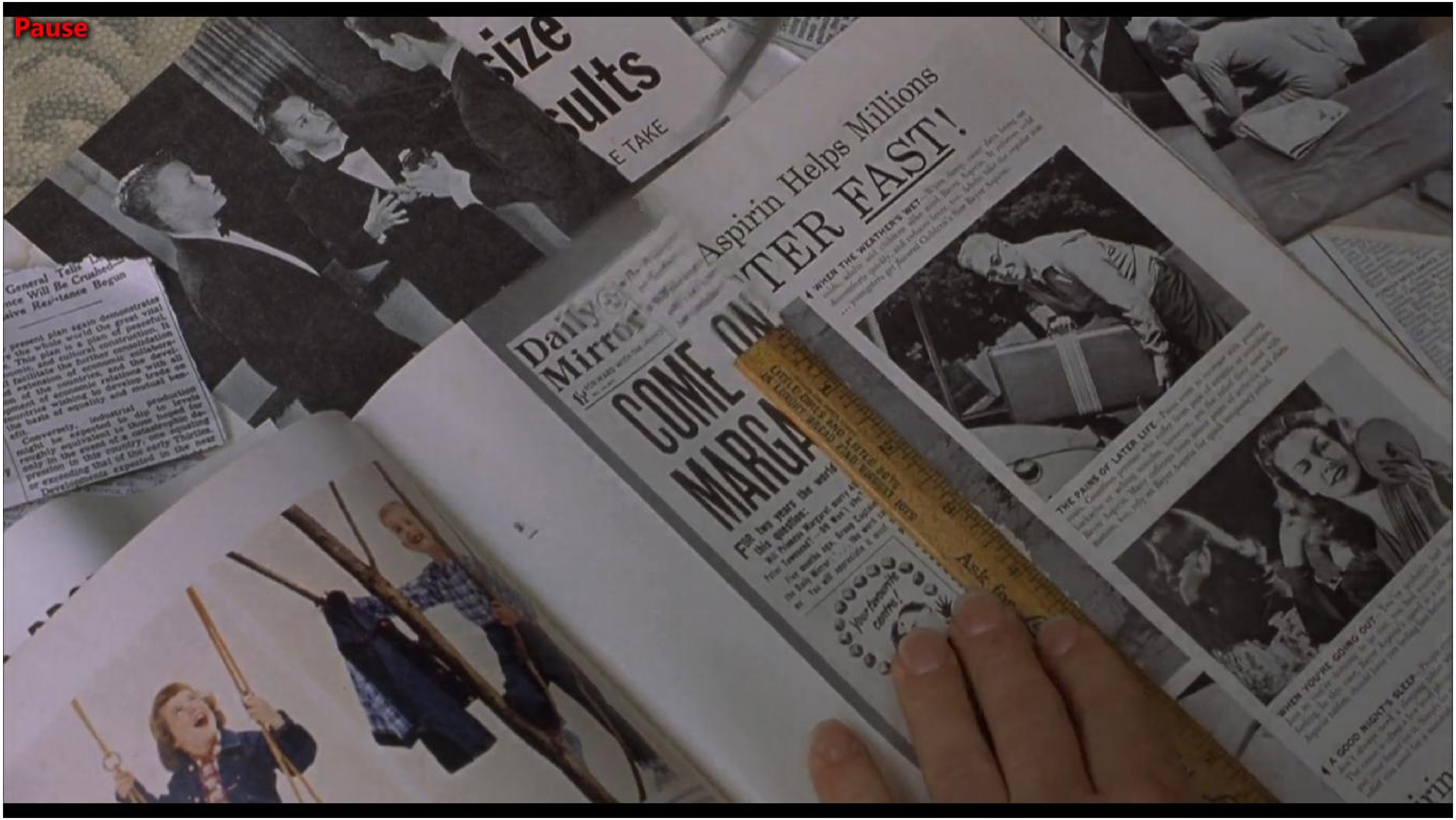
They were grown by Dr. Landrum Shettles of Co-
umbia University's College of Physicians and Sur-
eons, who succeeded in raising a four-celled em-
ryo two years ago (LIFE, Sept. 21, 1953)

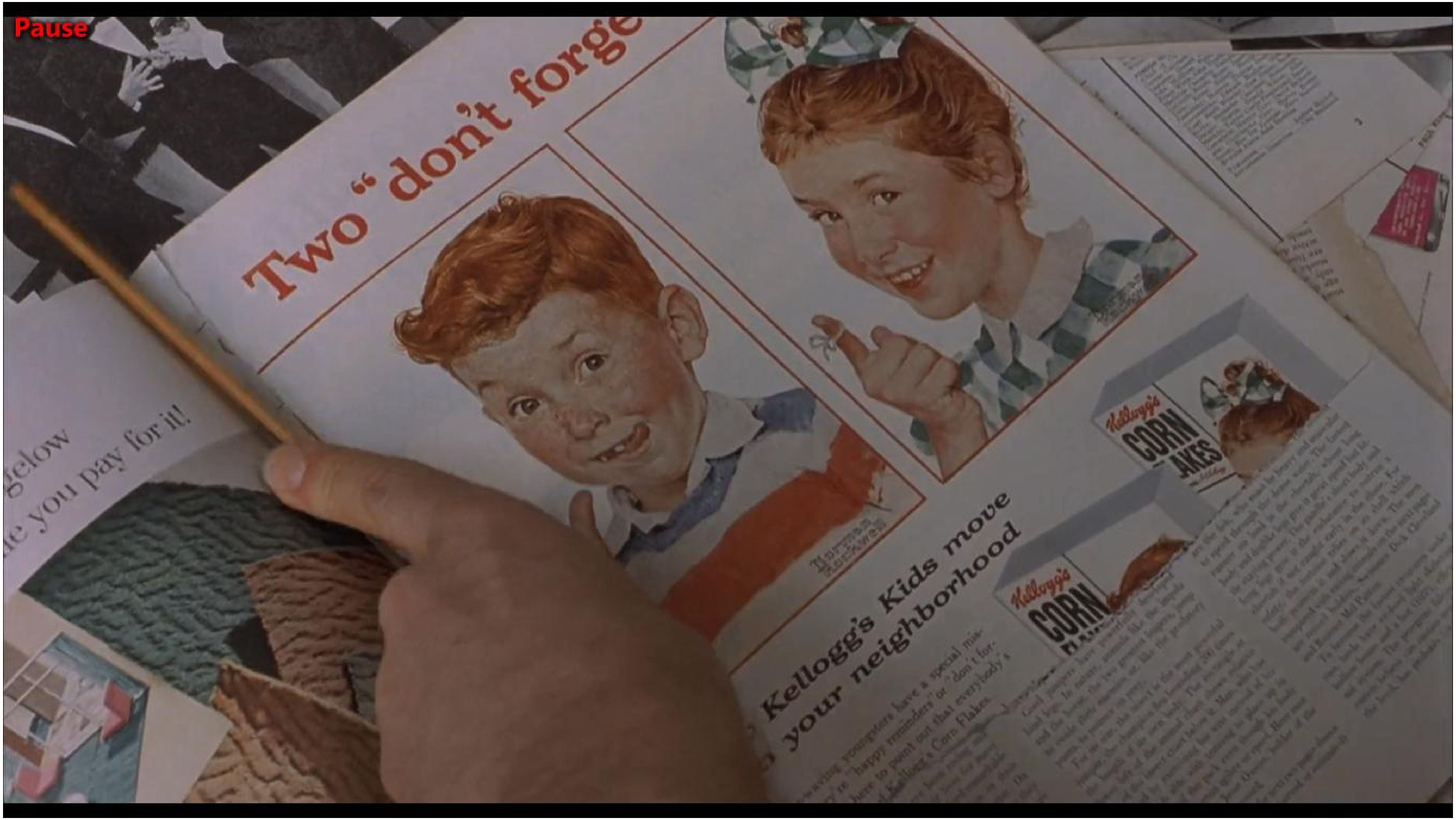
ova
pro
pera
est e
tegra
earlie


Play
ARTIFICIAL LIFE,

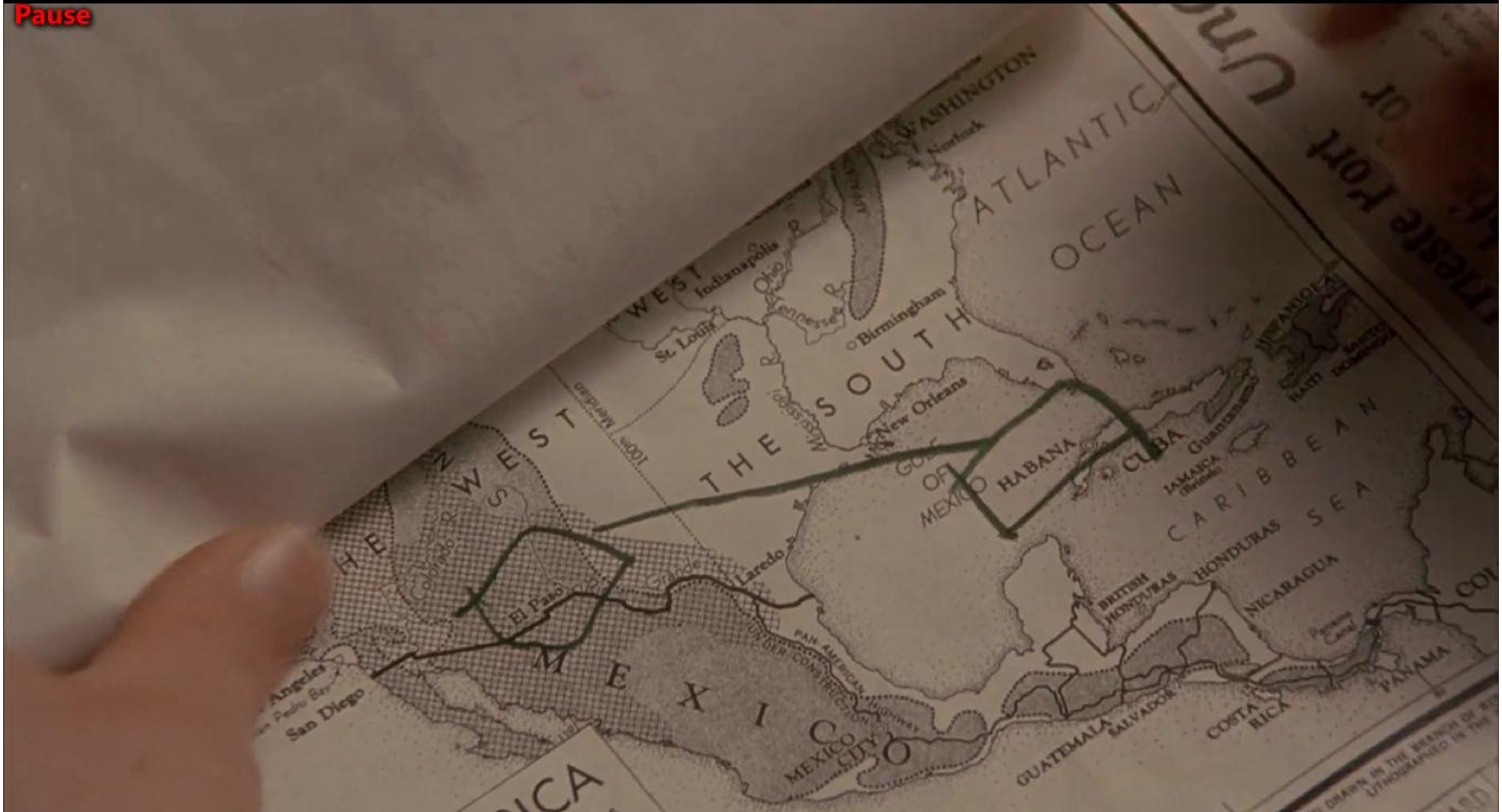

Pause

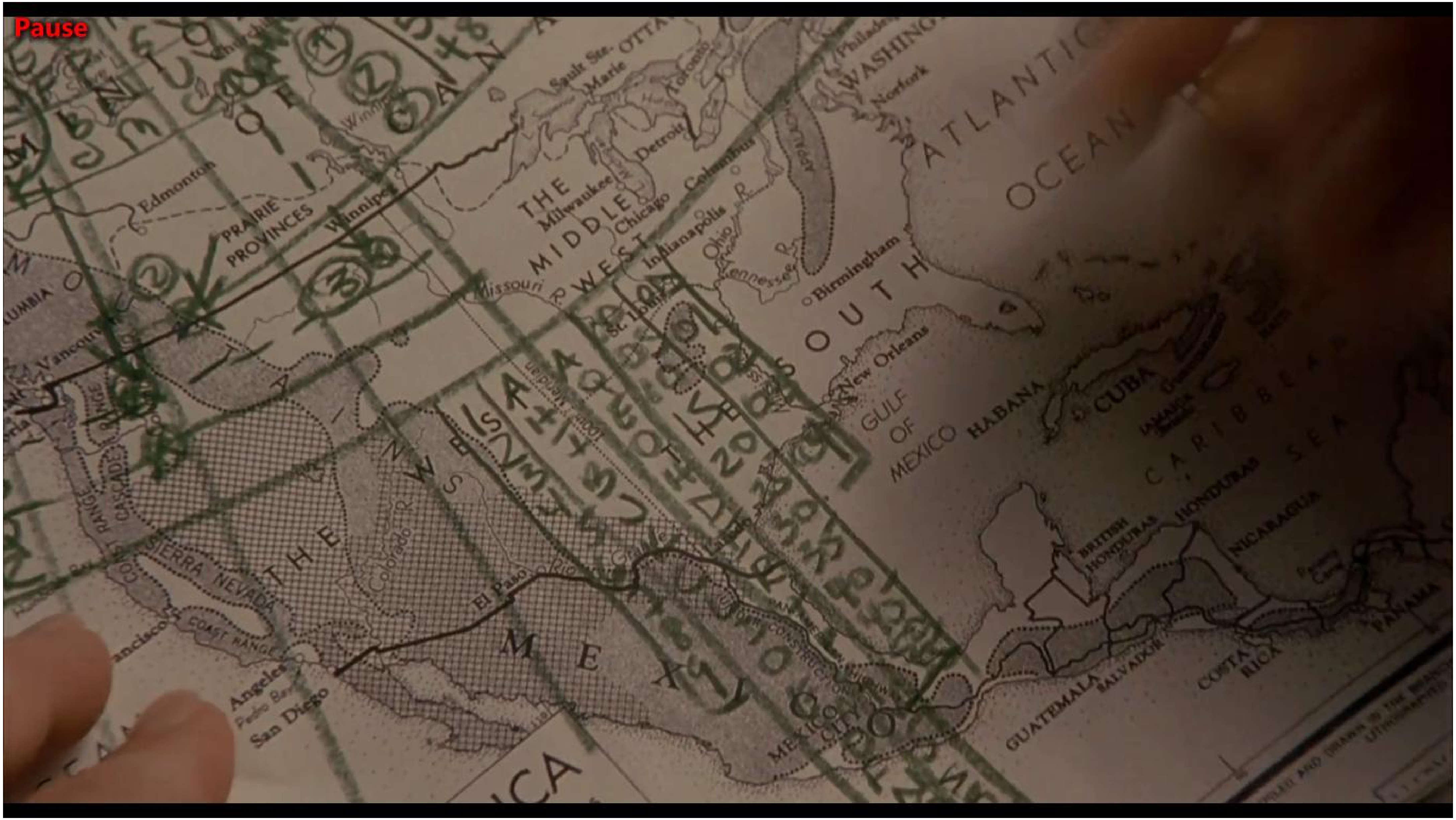
size
sults
TO BEGIN TODAY
OVER DELMONICO NAME
always
the game!
ARMOUR
Chili
CON CARNE
SURPRISE FOR PARTY
Archbishop Damaskinos of Greece
is an impressive figure. On Christ-
mas night he boarded the Ajax in
his clerical robes to consult with
Churchill.
added leisure

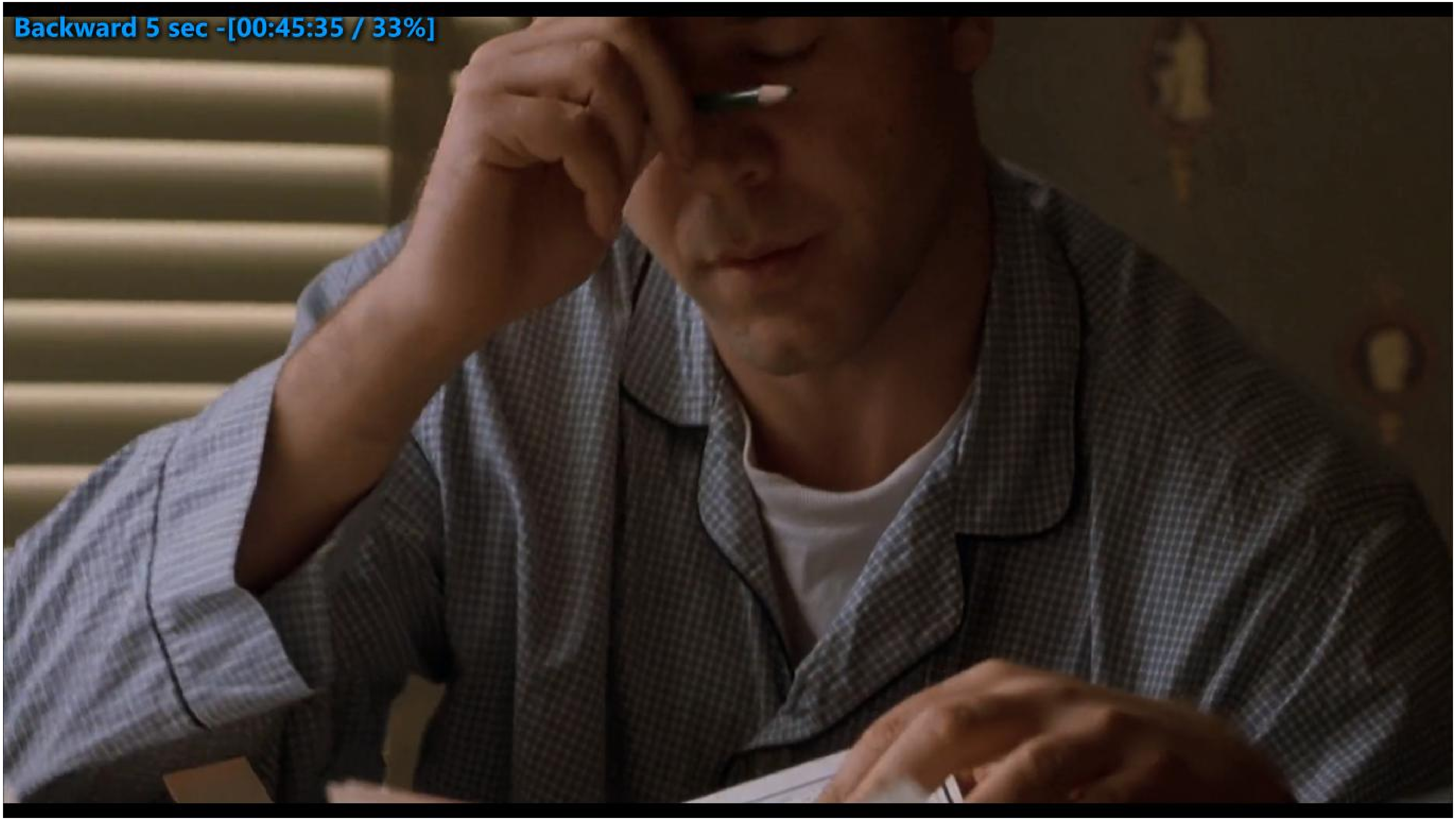

Pause
size
ults
E TAKE
Aspirin Helps Millions
TER FAST!
Daily Mirror
COME ON
MARGA
Ask for

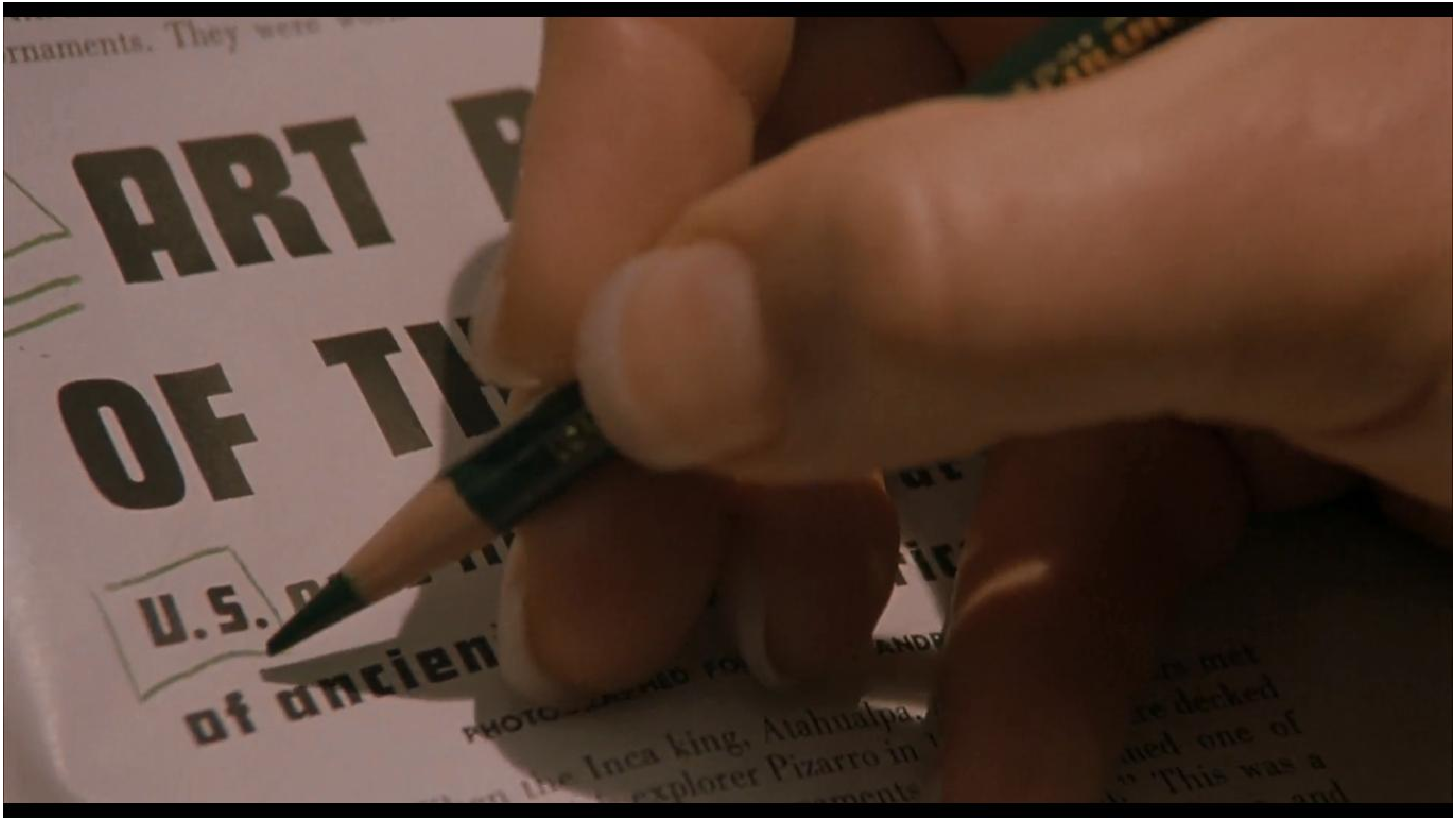

Pause
Two "don't forge
Kellogg's Kids move
your neighborhood
CORN FLAKES
gelow
ie you pay for it!

Pause

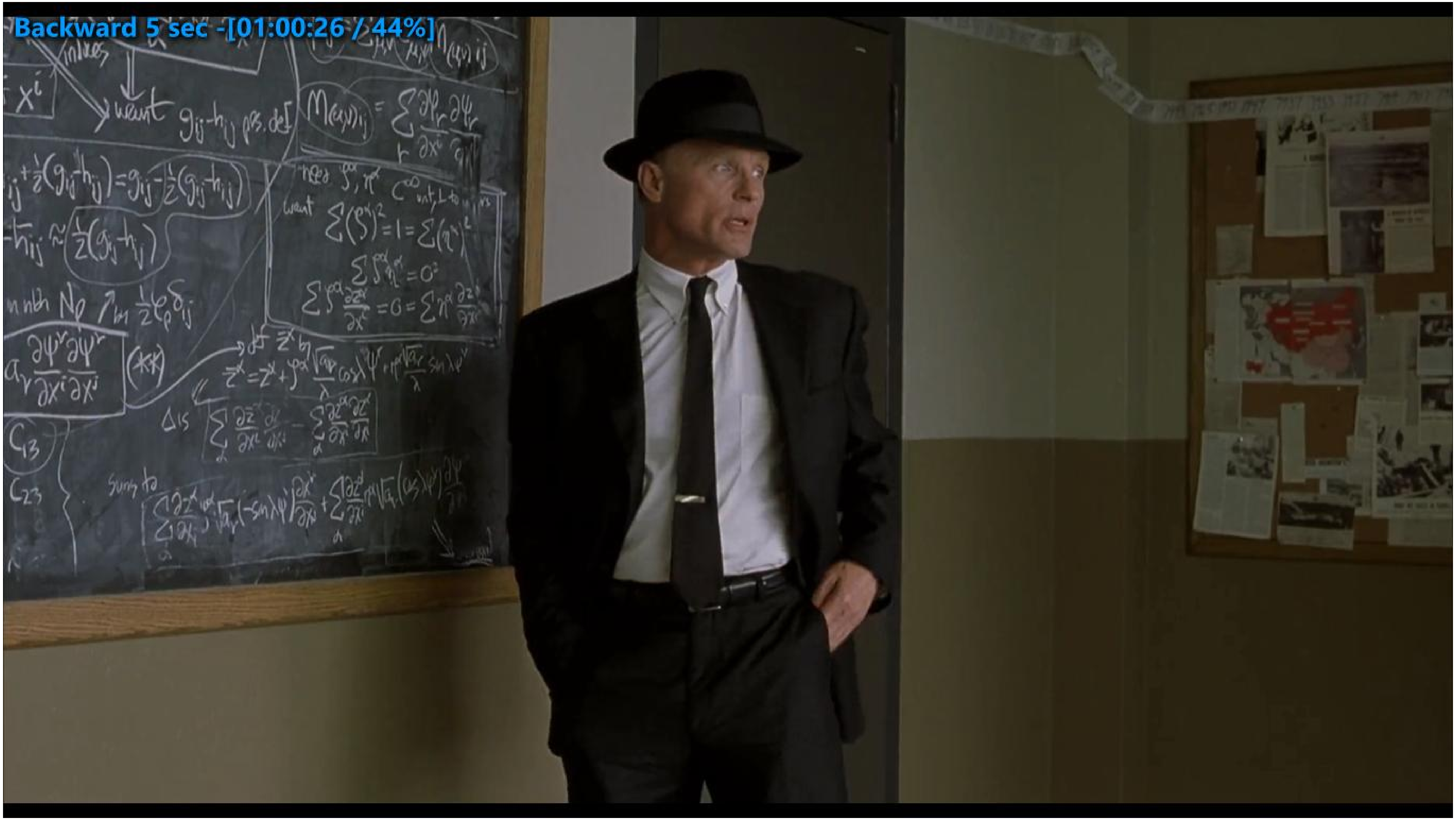

WASHINGTON
Norfolk
ATLANTIC
OCEAN
WEST
Indianapolis
Ohio
Tennessee
St. Louis
Birmingham
THE SOUTH
New Orleans
Mississippi
100th Meridian
THE WEST
GULF OF MEXICO
HABANA
CUBA
JAMAICA
Guantanamo
HAITI
CARIBBEAN SEA
Laredo
El Paso
Grande
BRITISH HONDURAS
HONDURAS
NICARAGUA
PANAMA
MEXICO
MEXICO CITY
PAN AMERICAN HIGHWAY UNDER CONSTRUCTION
Los Angeles
San Pedro Bay
San Diego
GUATEMALA
SALVADOR
COSTA RICA
RICA


Pause
ATLANTIC
OCEAN
WASHINGTON
Norfolk
Sault Ste. Marie
Toronto
Detroit
Milwaukee
Chicago
Columbus
Indianapolis
Ohio
THE MIDDLE WEST
Edmonton
PRAIRIE PROVINCES
Winnipeg
Missouri R
St. Louis
Birmingham
SOUTH
New Orleans
GULF OF MEXICO
HABANA
CUBA
JAMAICA
CASCADE RANGE
SIERRA NEVADA
COAST RANGE
Colorado R.
El Paso
San Diego
Angeles
BRITISH HONDURAS
HONDURAS
NICARAGUA
GUATEMALA
SALVADOR
COSTA RICA
PANAMA


Backward 5 sec -[00:45:35 / 33%]


rnaments. They were
ART
OF
U.S.
Inca king, Atahualpa,
explorer Pizarro in


Pause


Backward 5 sec -[01:00:26 / 44%]


Pause

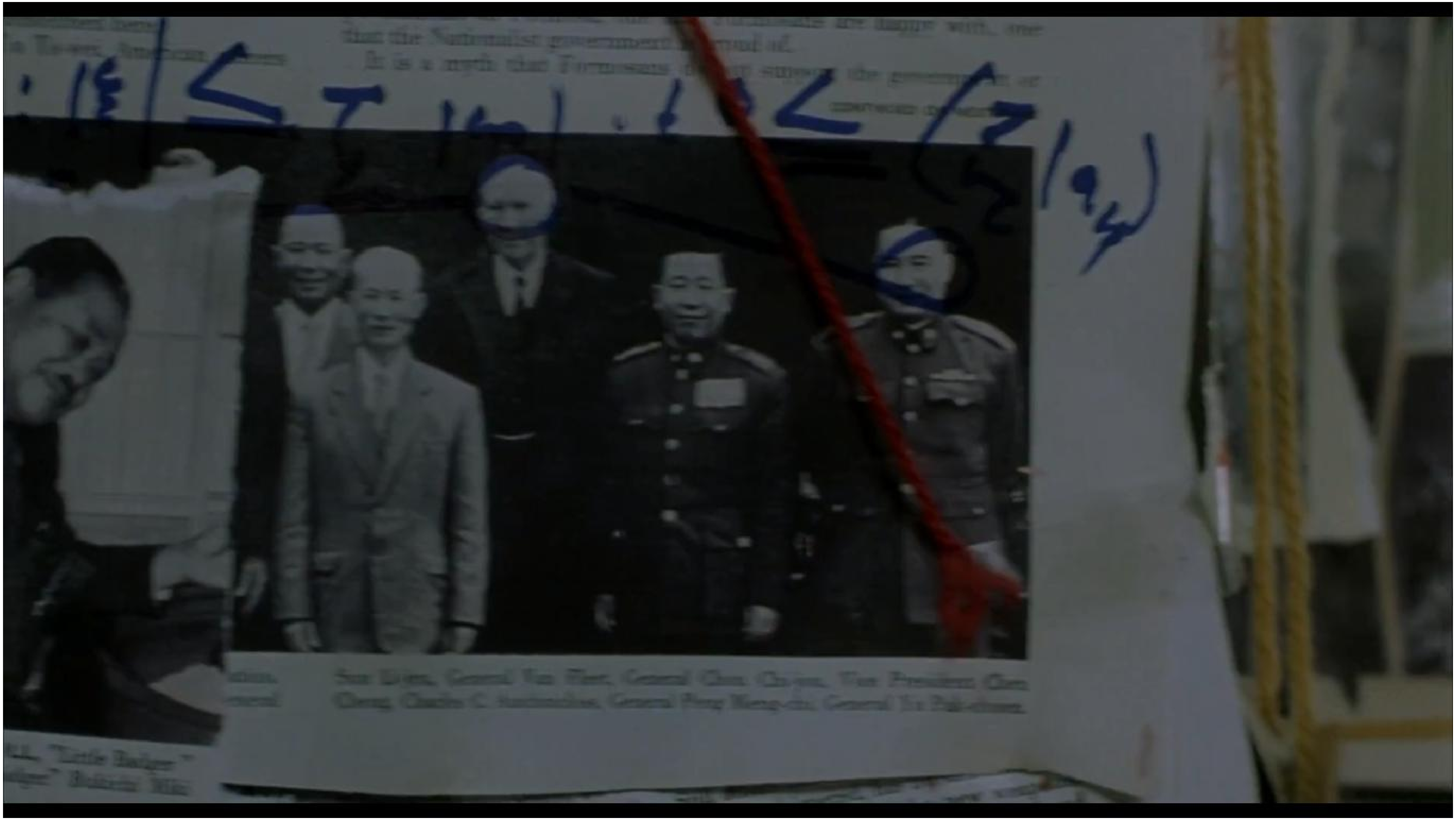

Forward 5 sec -[01:03:43 / 47%]

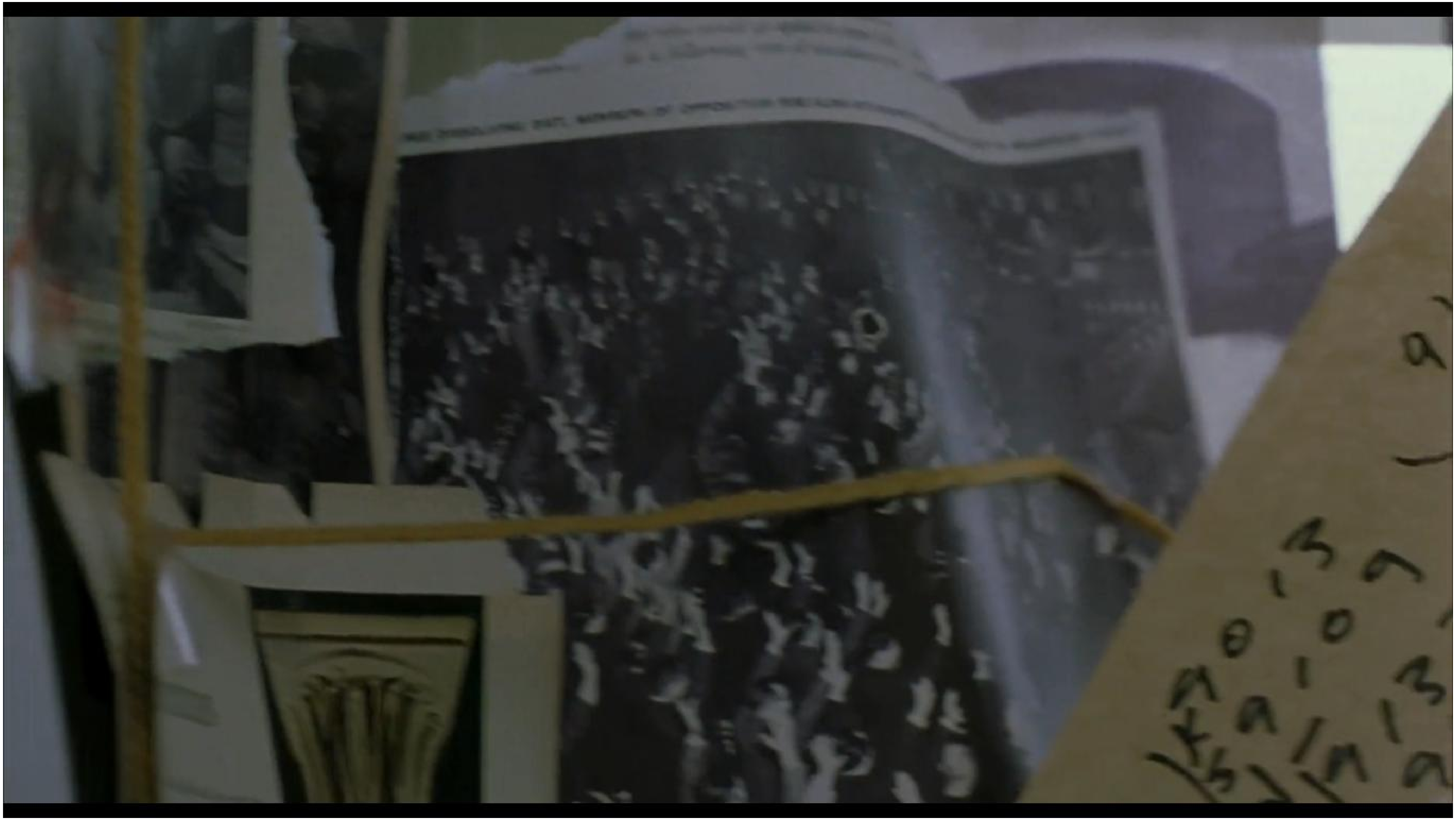

Pause

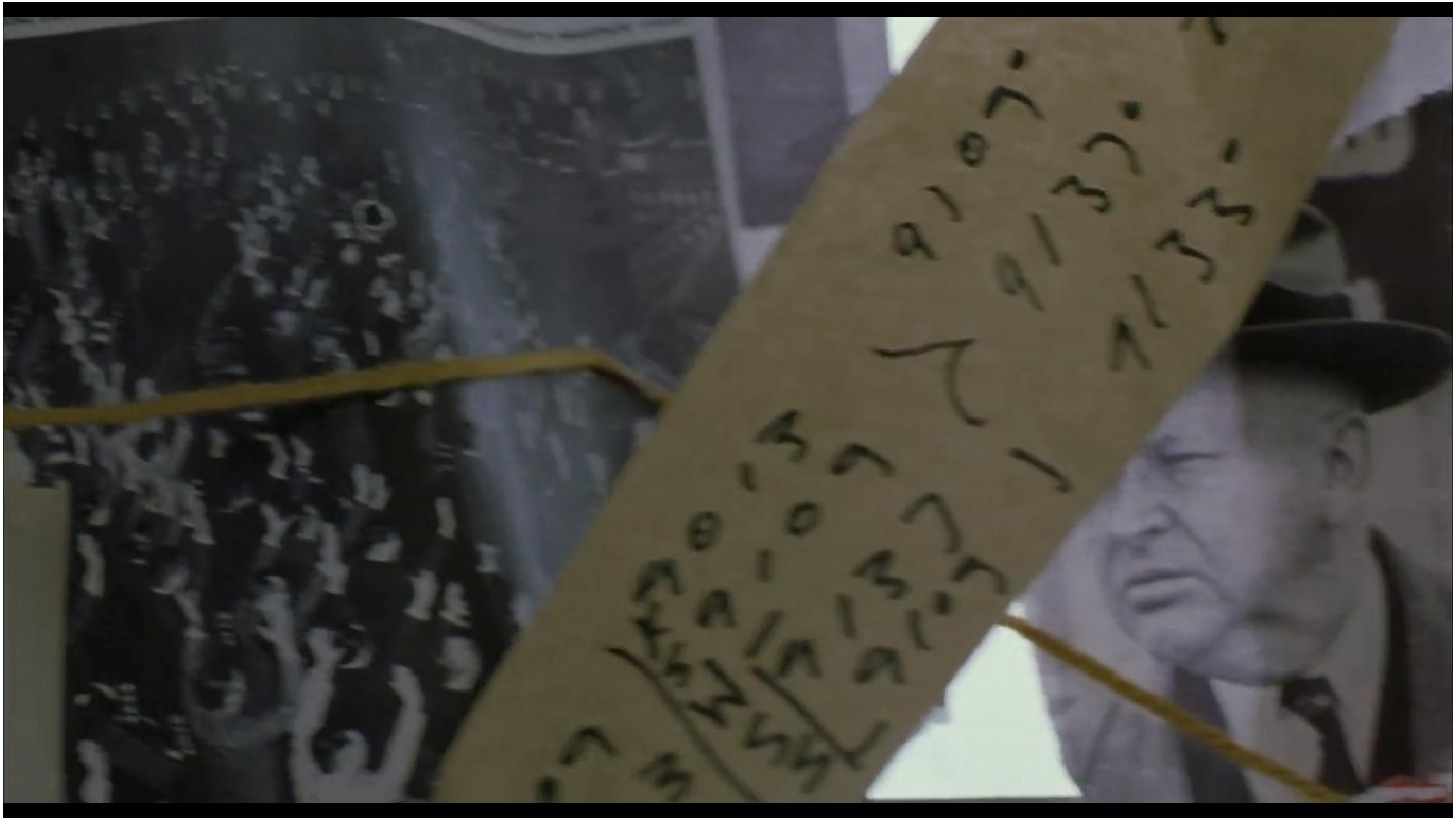

Pause

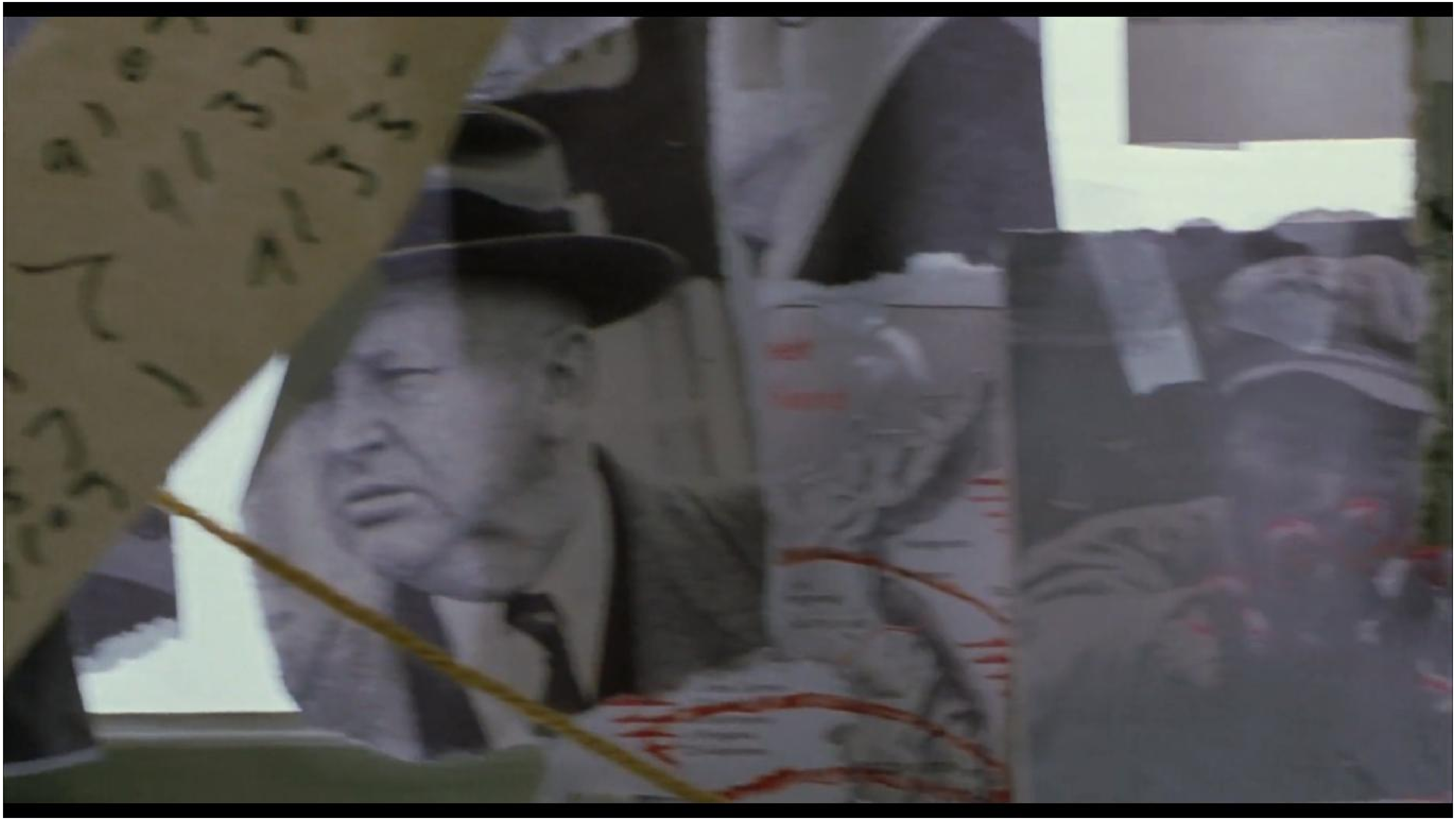

Pause
9137 9133 9127 9109 9103
ANNALI
SCUOLA NORMALE
LIFE
AMERICA'S ARTS AND
LIFE
LIFE


Pause
LIFE


that the Nationalist government
It is a myth that Formosans
"Little Badger"



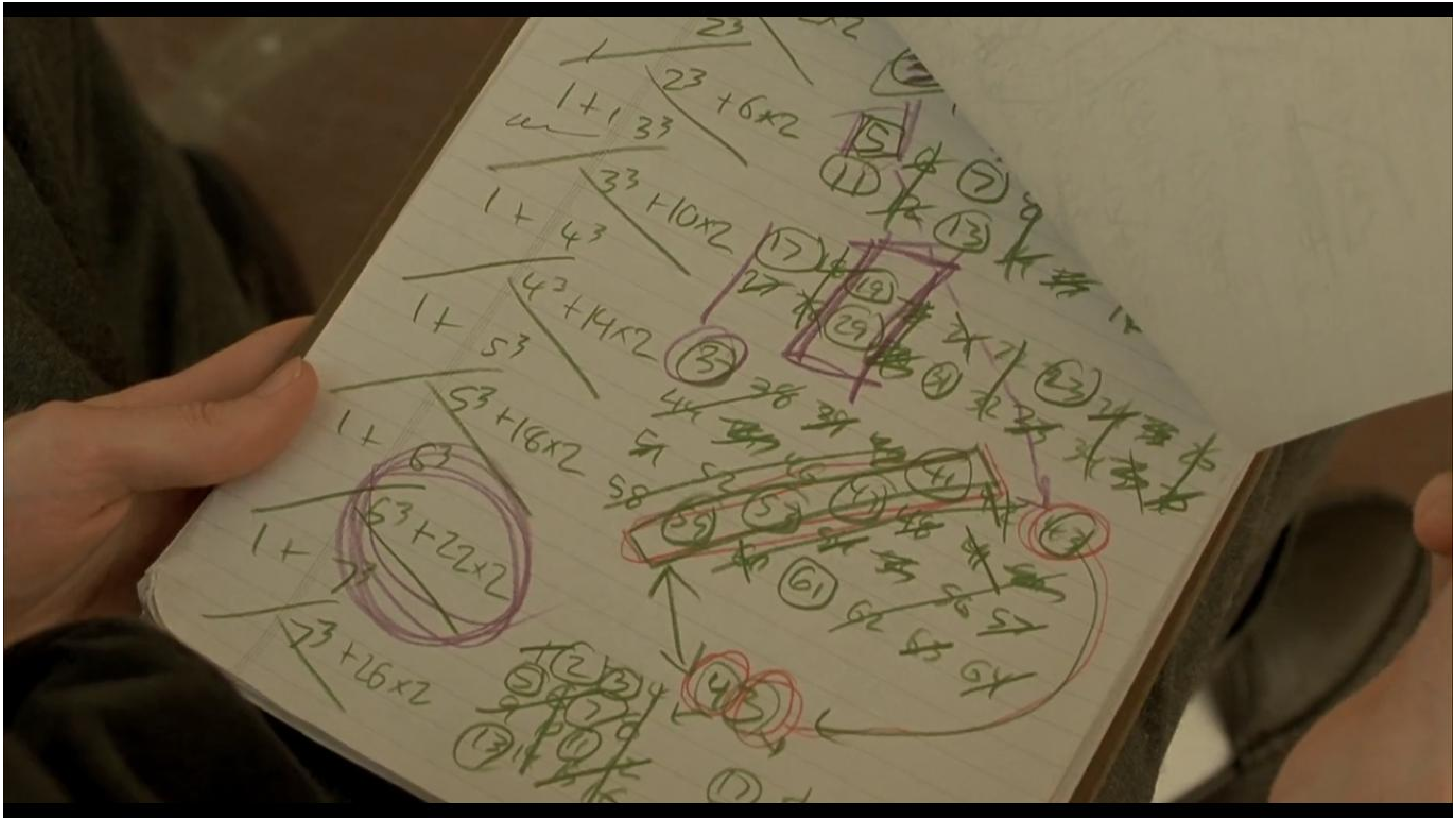





WARNING

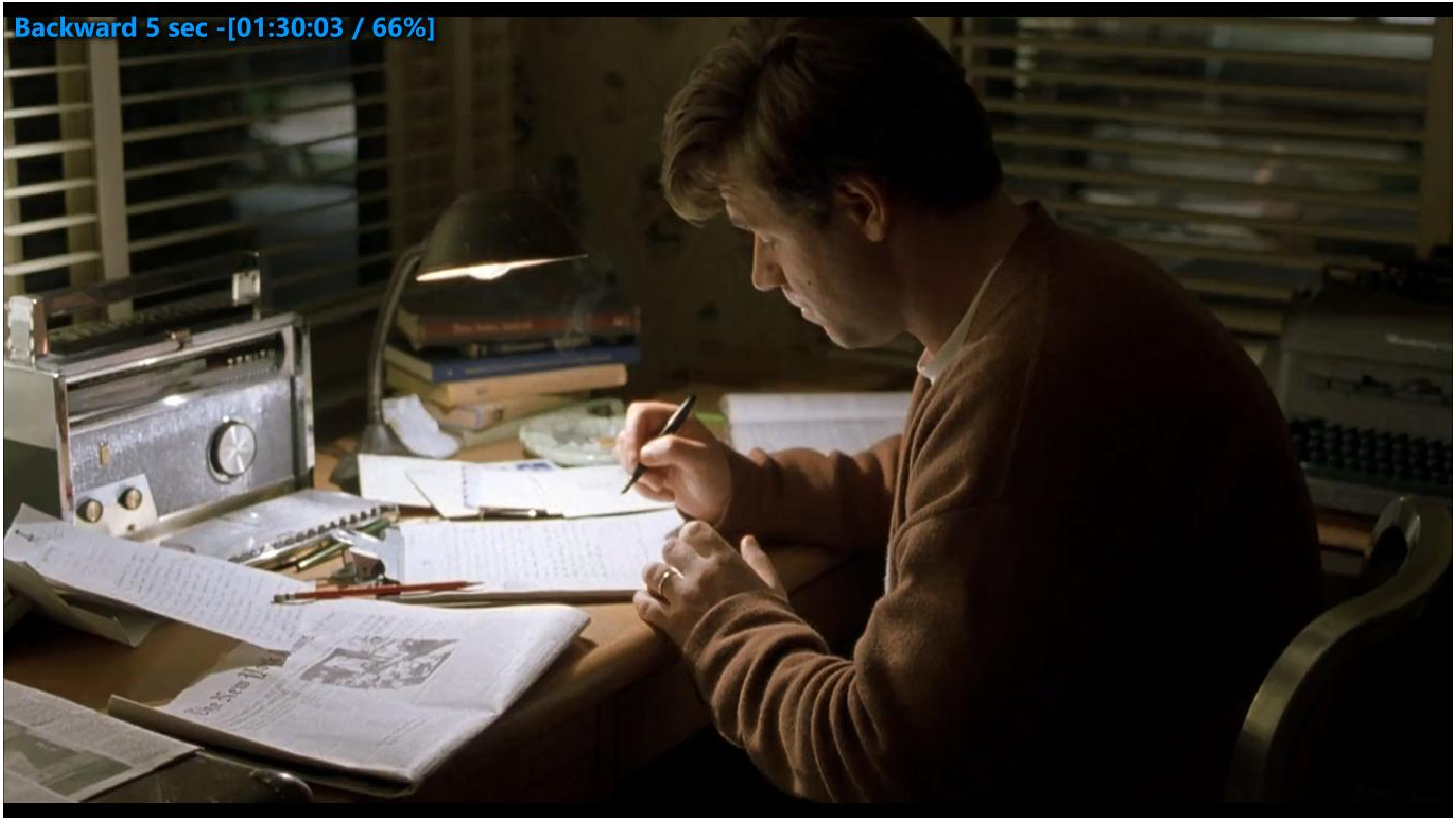

8863
8849

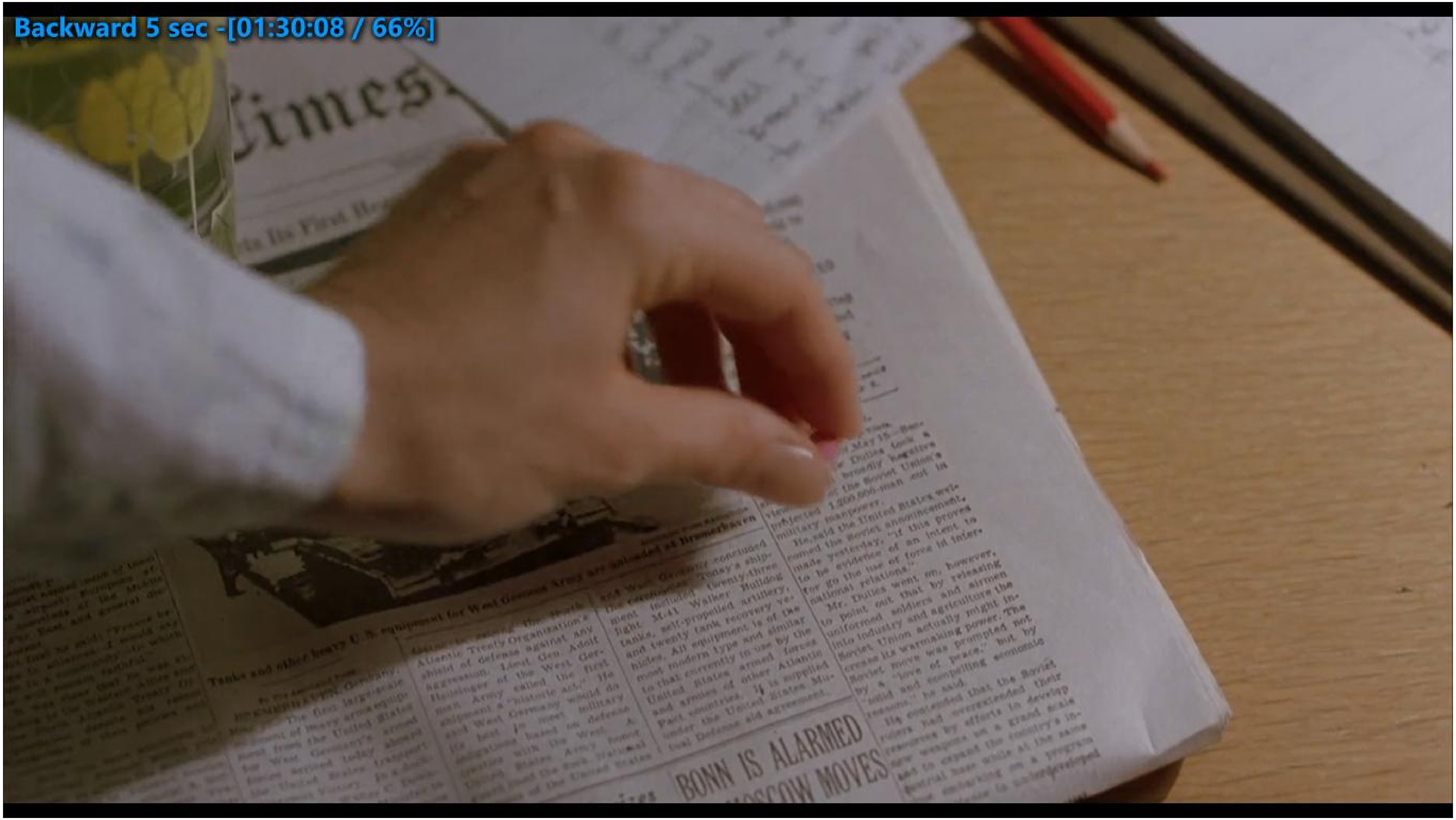

THE TRIUMPH OF BIG INCH-BY-INCH

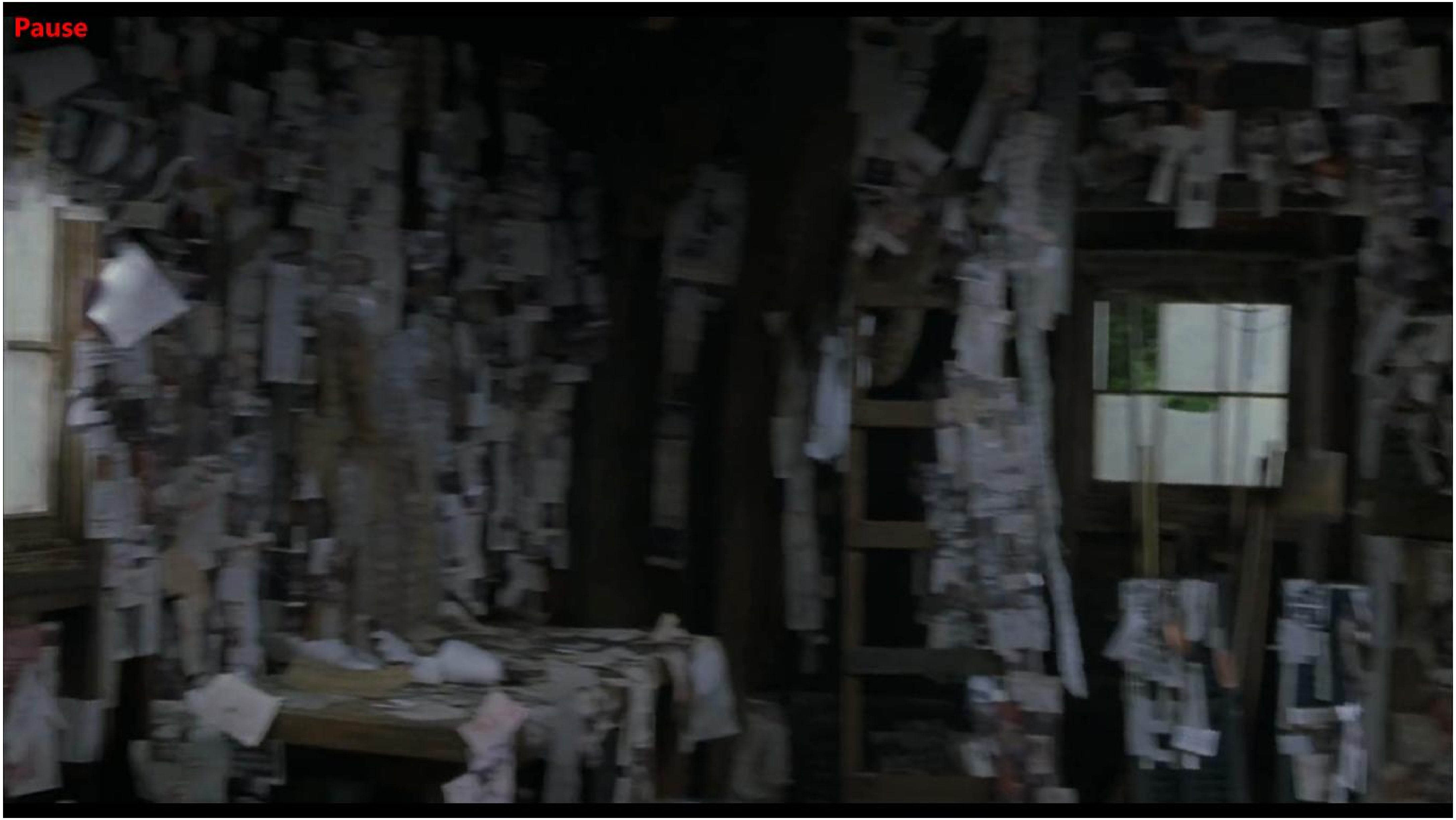


2^3+6×2
1+1 3^3
3^3+10×2
1+ 4^3
4^3+14×2
1+ 5^3
5^3+18×2
1+ 6^3
6^3+22×2
1+ 7^3
7^3+26×2

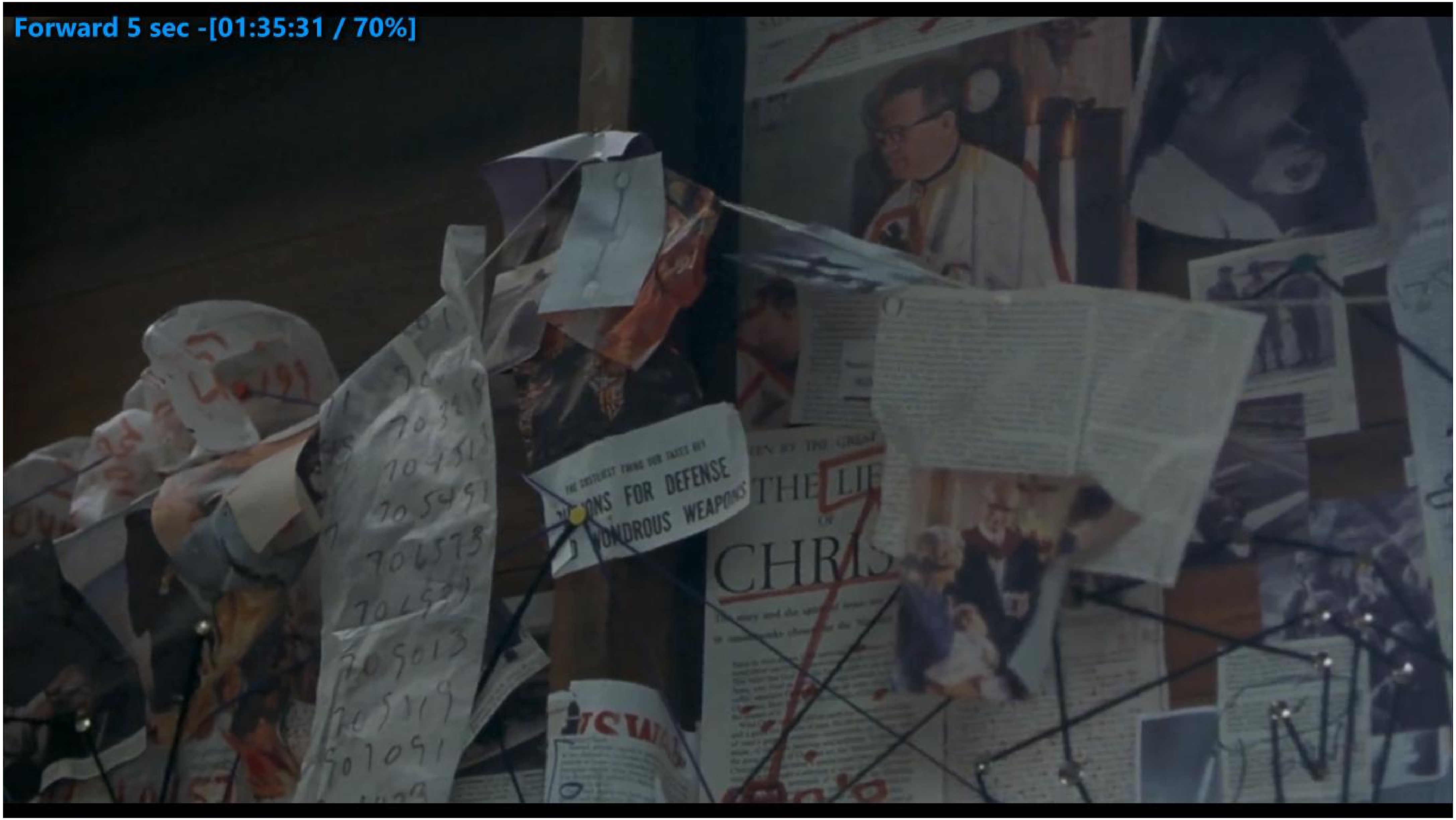

Backward 5 sec -[01:30:03 / 66%]


Backward 5 sec -[01:30:03 / 66%]


Backward 5 sec -[01:30:08 / 66%]
Times
Tanks and other heavy U. S. equipment for West German Army are unloaded at Bremerhaven
BONN IS ALARMED


Pause

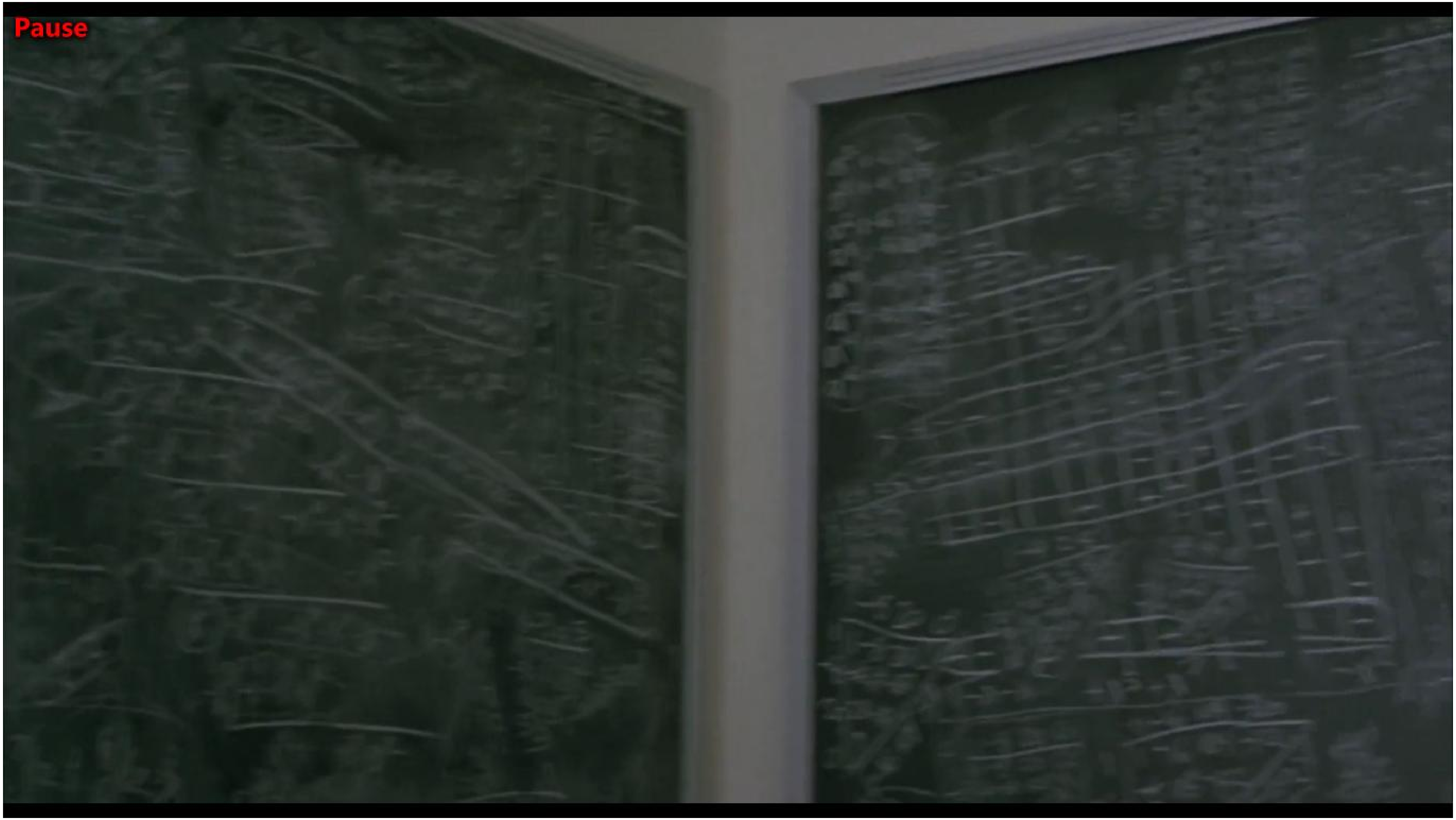

Pause

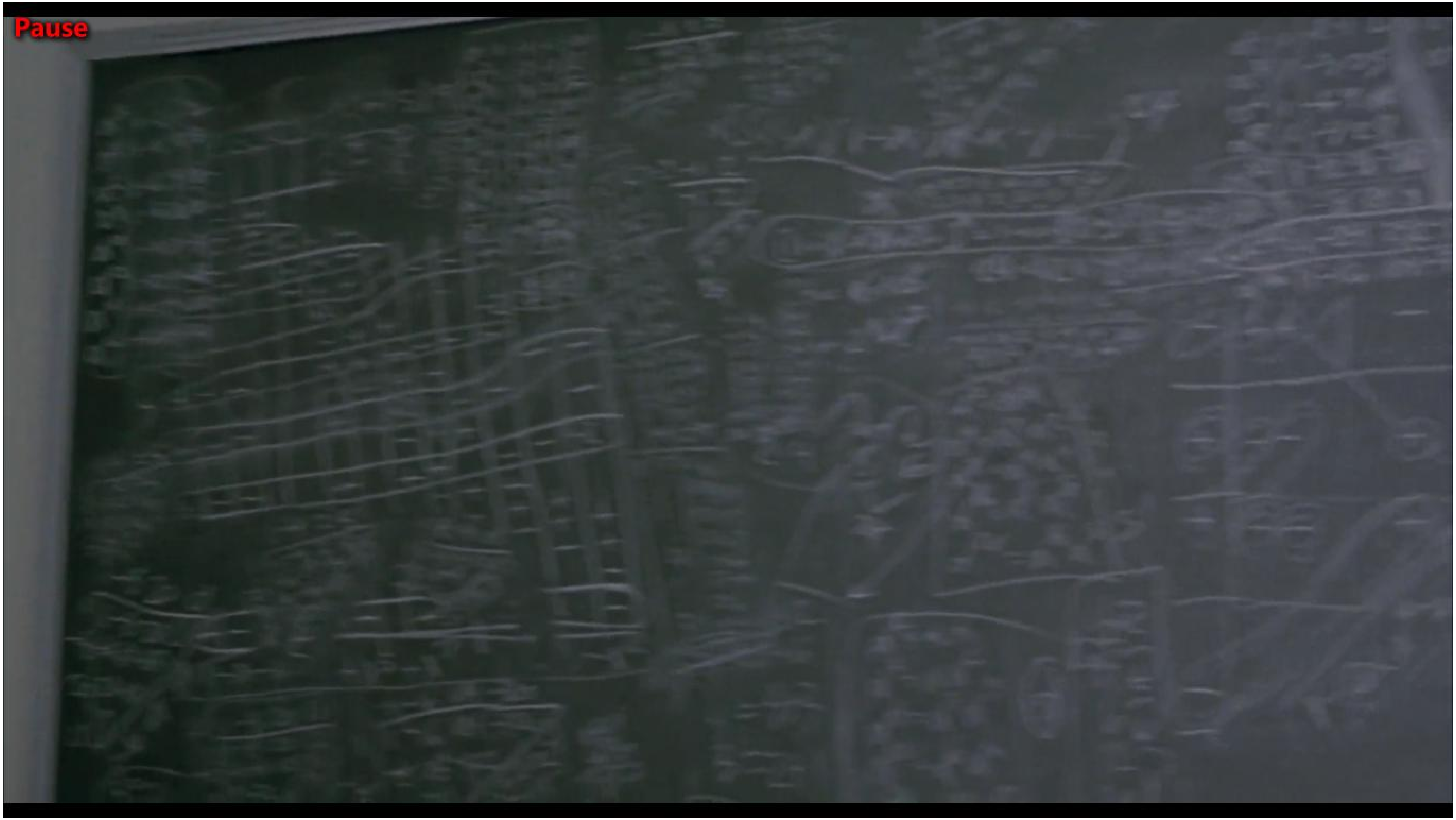

Forward 5 sec -[01:35:31 / 70%]
FOR DEFENSE

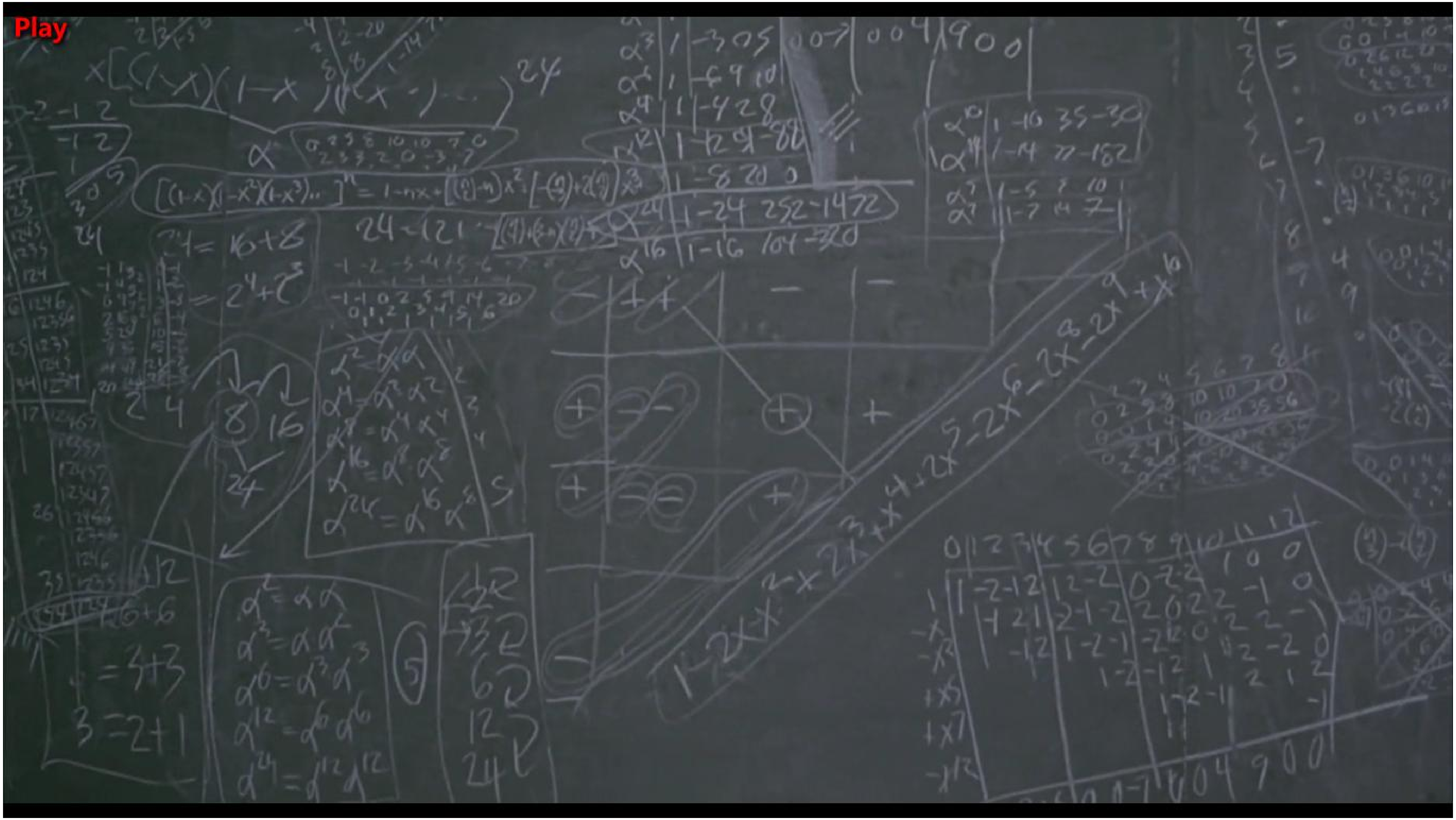

Pause

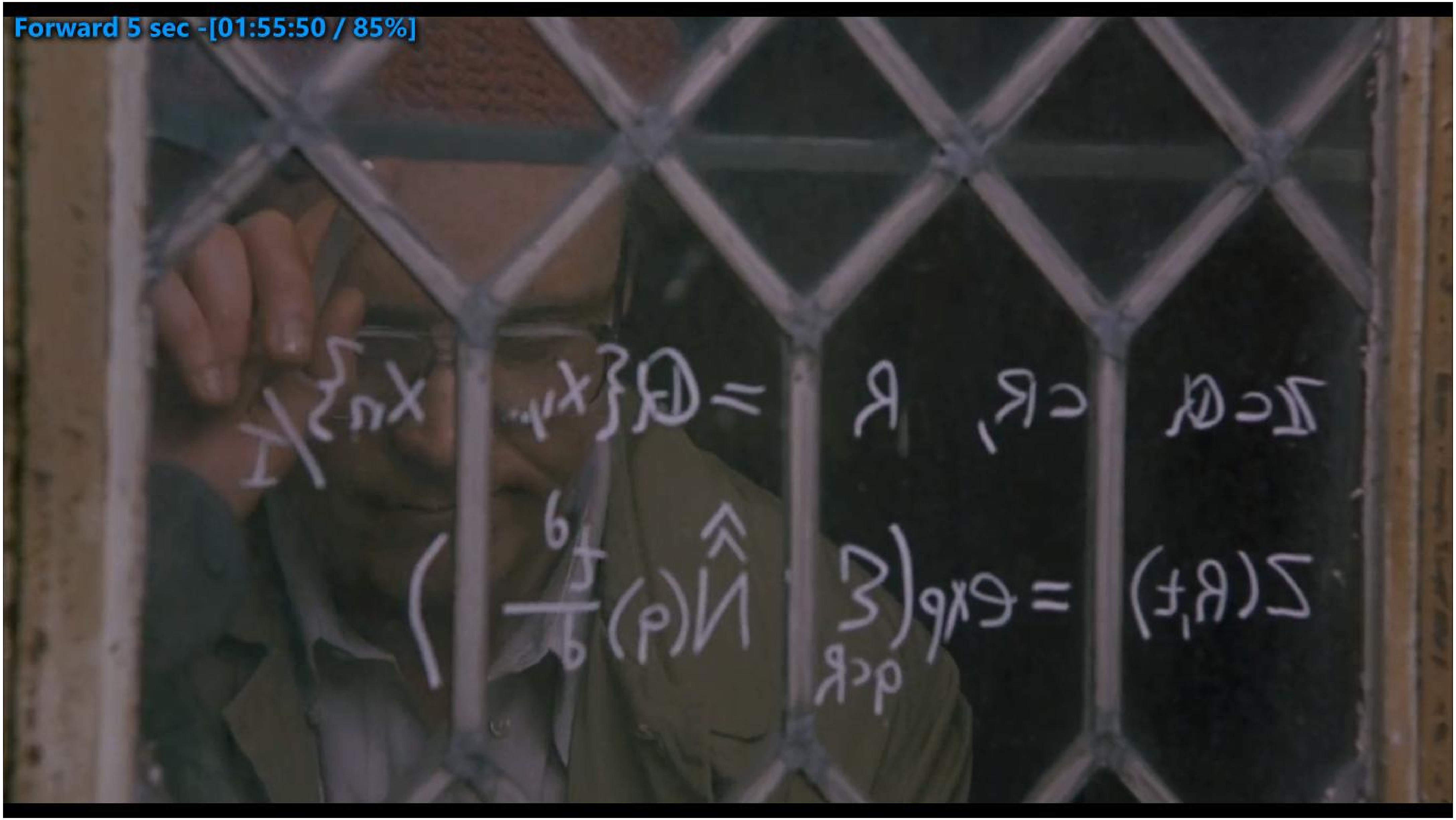

Pause


Play


Pause

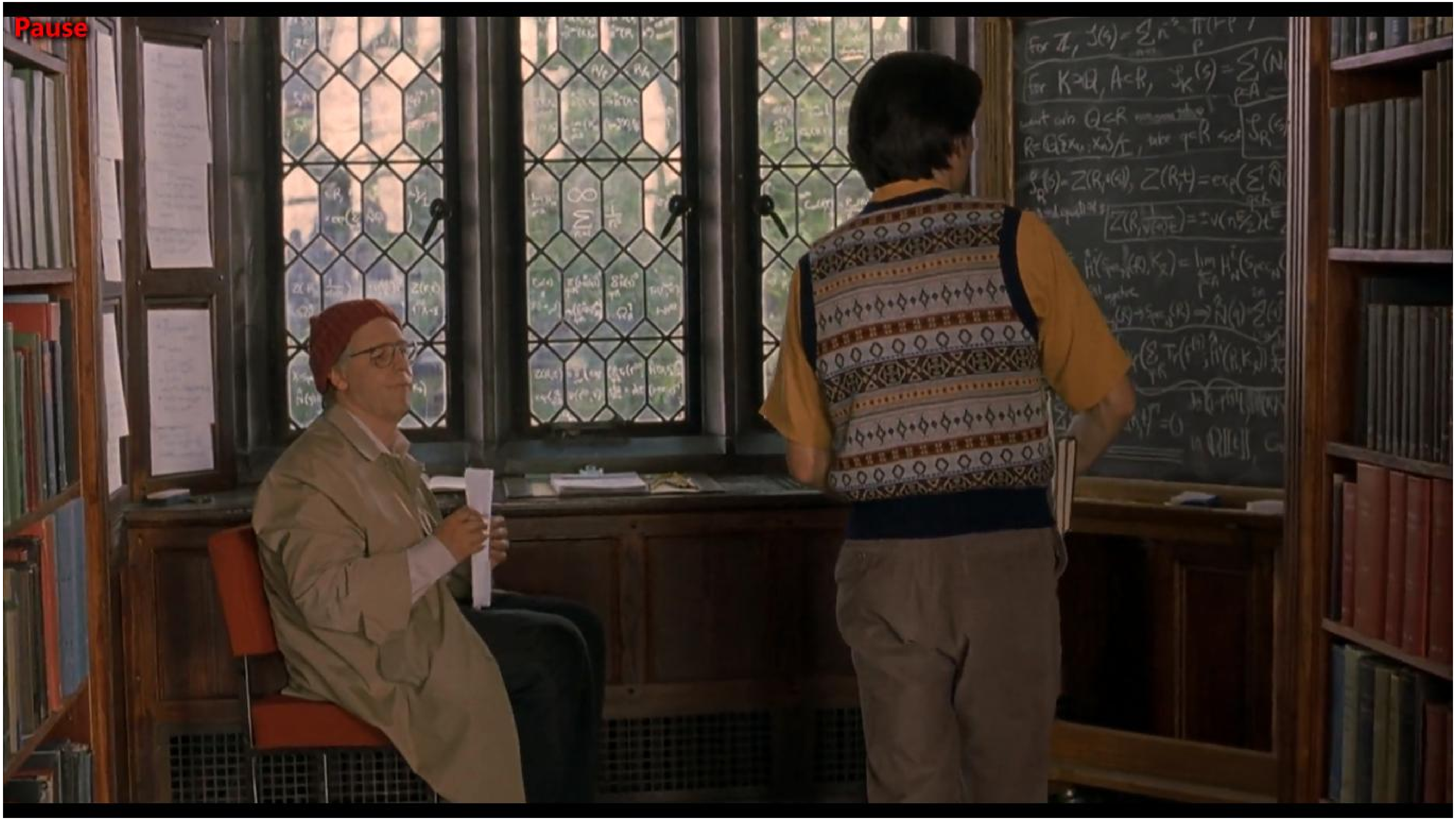

Pause

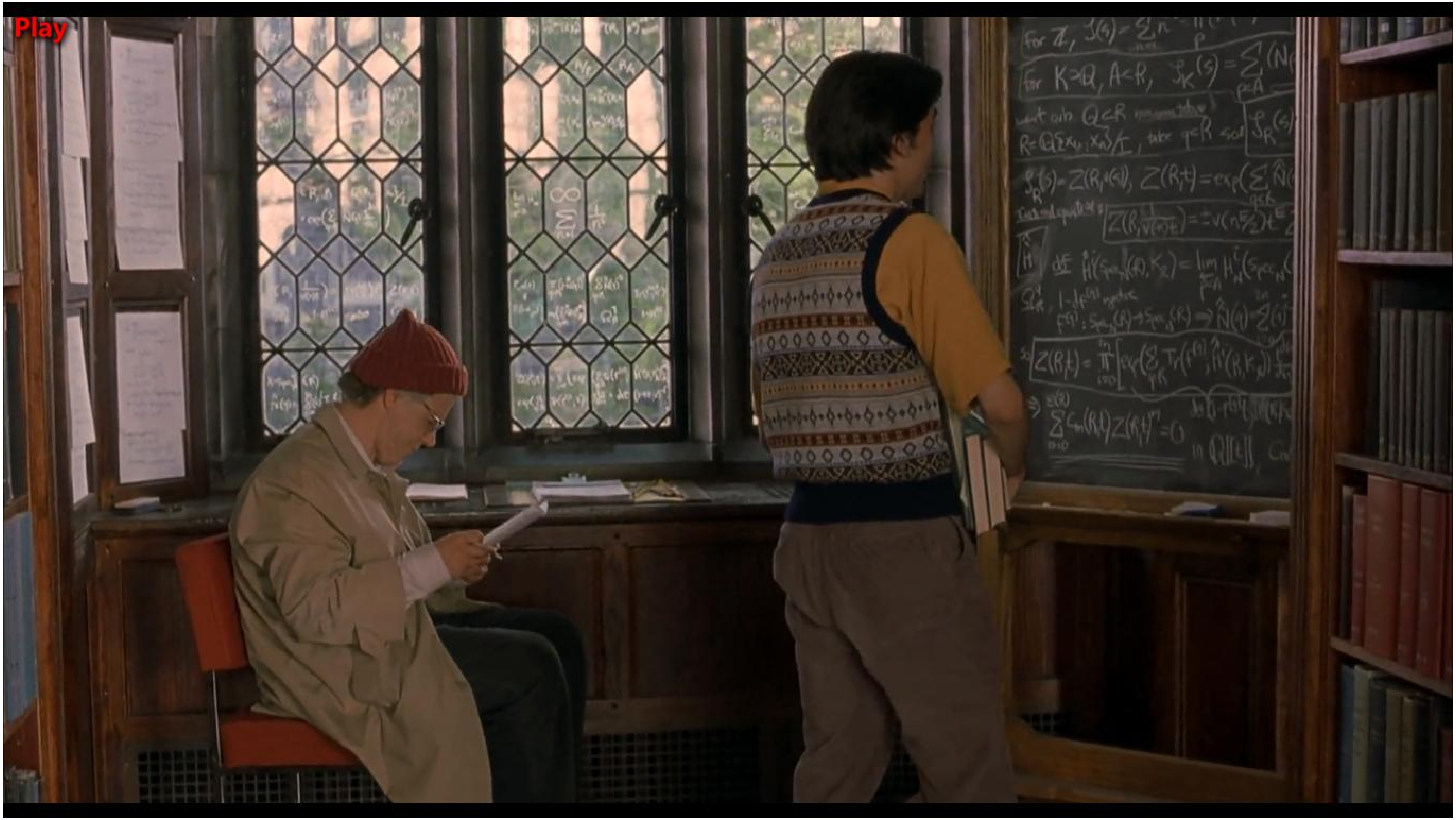

Play

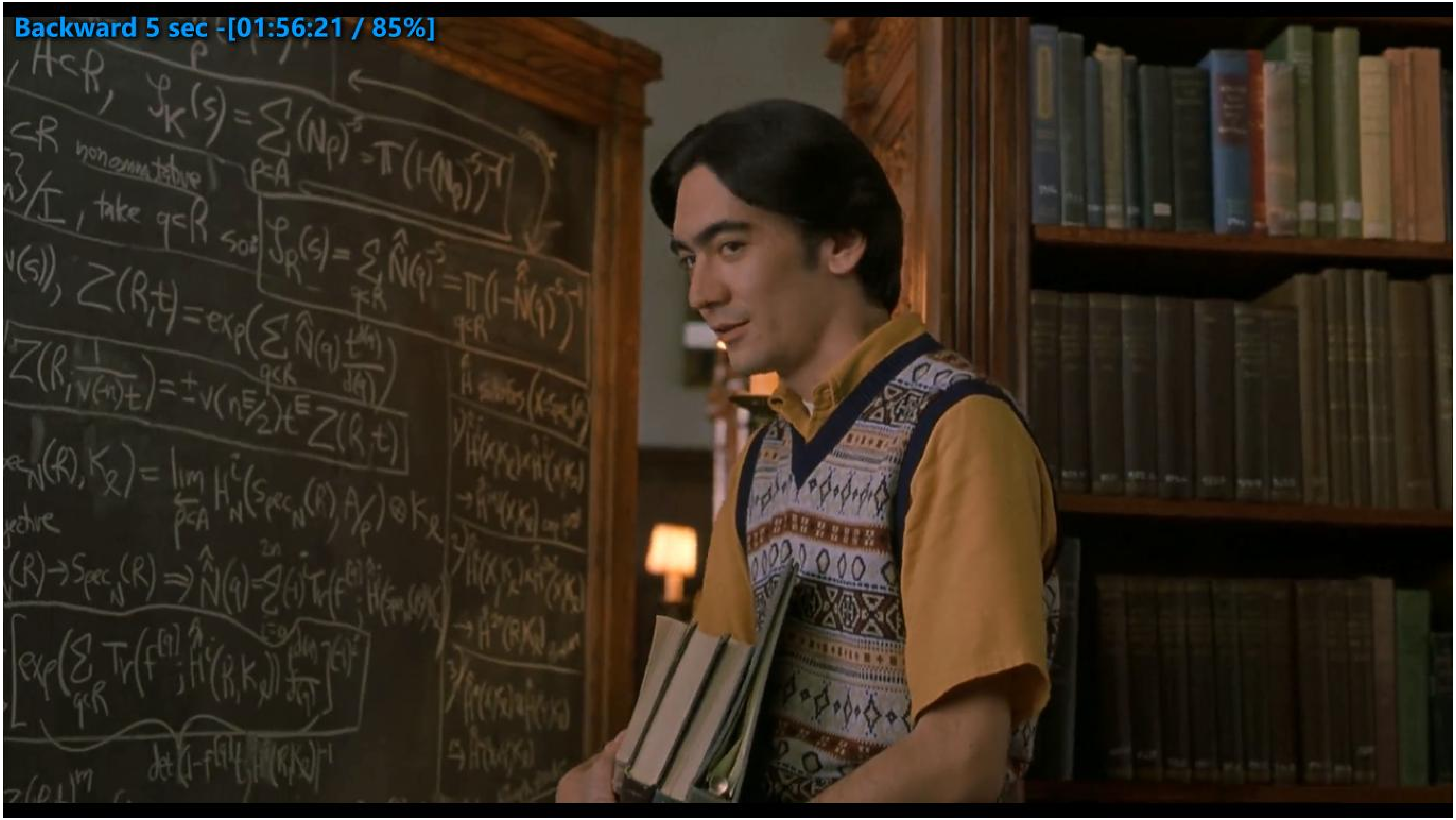

Forward 5 sec -[01:55:50 / 85%]

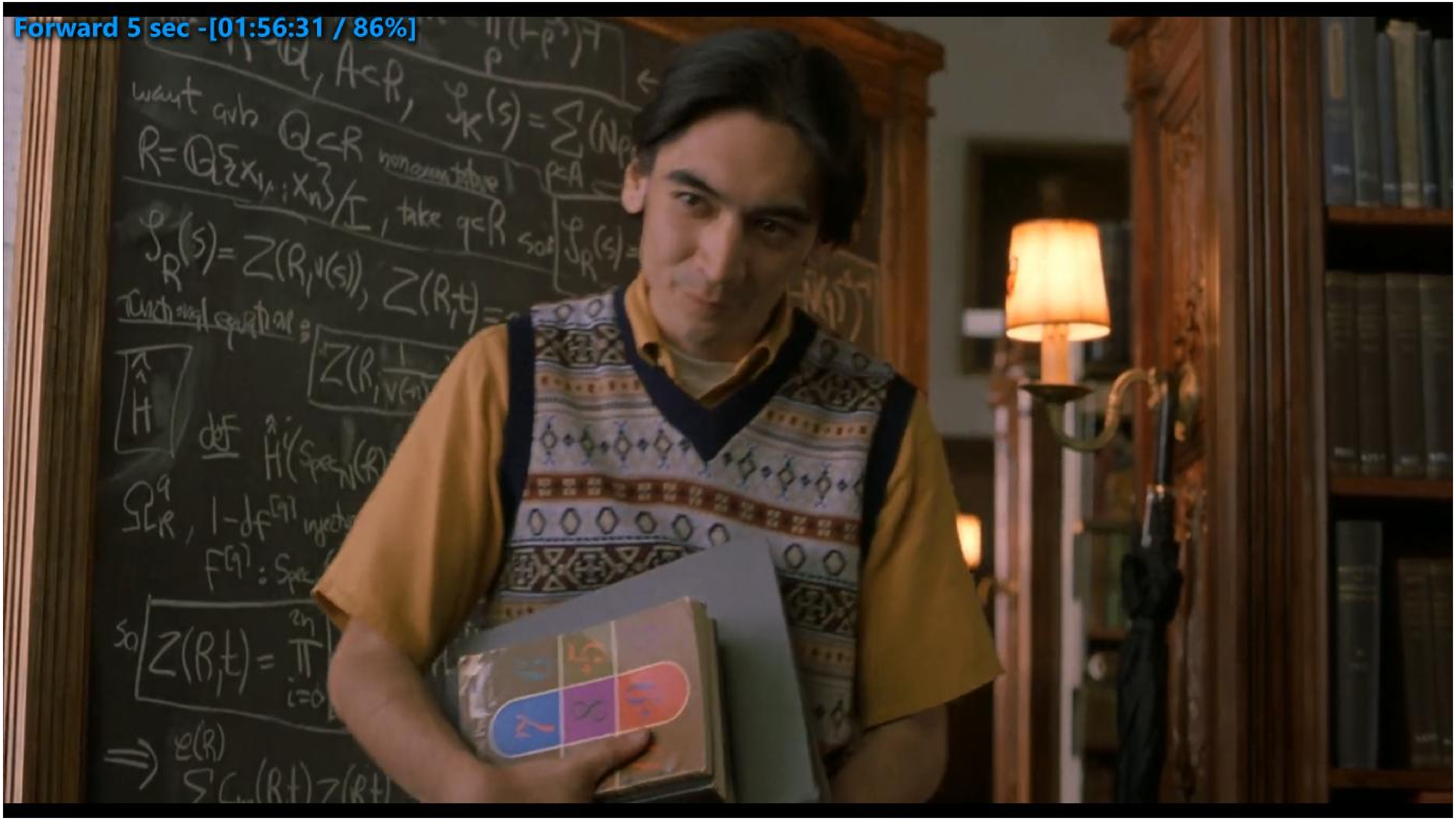

Forward 5 sec -[01:55:57 / 85%]
Princeton University
October 1978

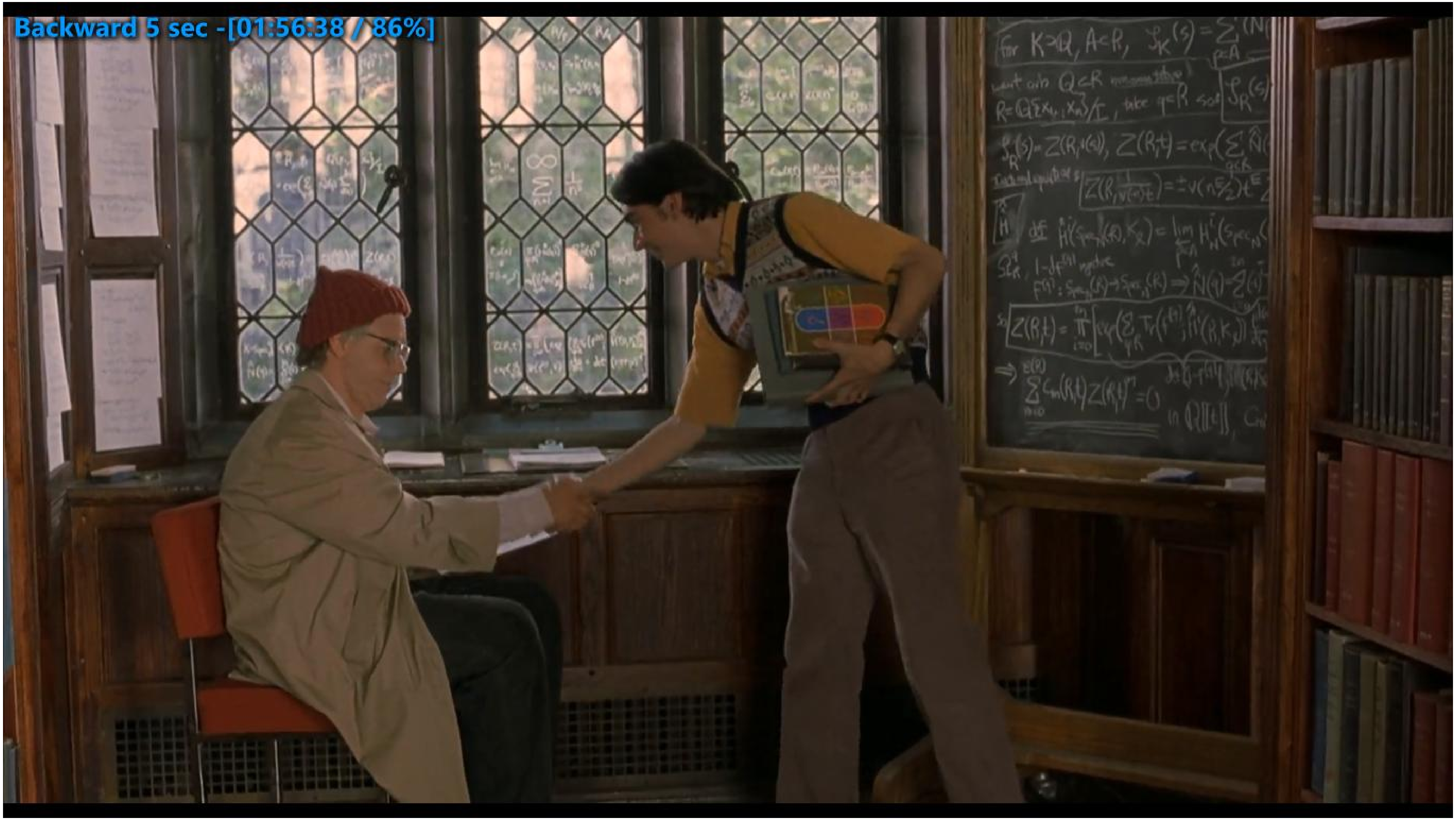

Play

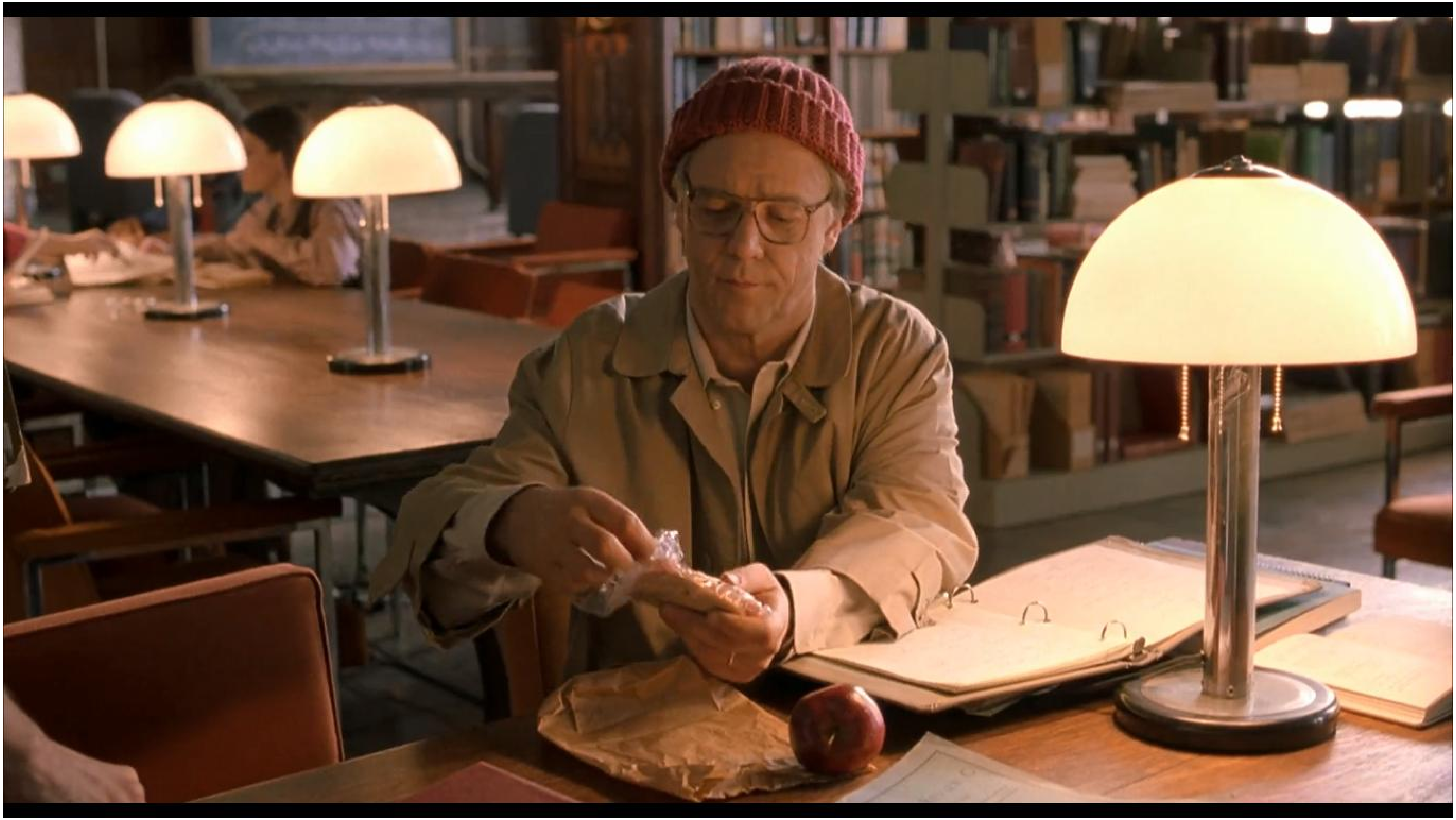

Pause


Play


Backward 5 sec -[01:56:21 / 85%]


Forward 5 sec -[01:56:31 / 86%]


Backward 5 sec -[01:56:38 / 86%]




Pause


Forward 5 sec -[02:01:10 / 89%]

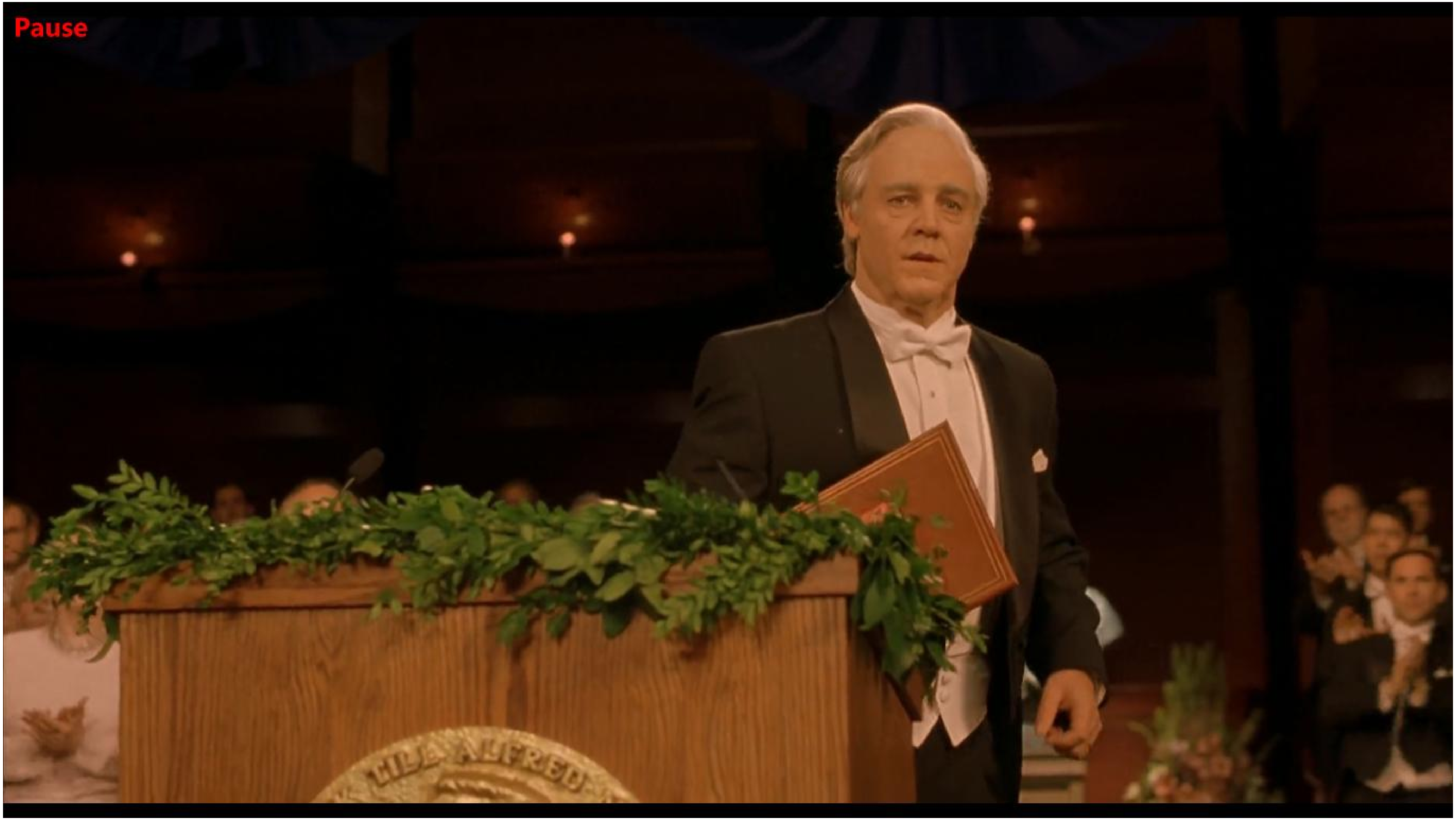

Forward 5 sec -[02:01:20 / 89%]


Forward 5 sec -[02:01:35 / 89%]


Pause


Play


Pause


Pause


Pause


Pause
1994