



## Atividade - Filme

Discentes

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**Q1 - Marque as palavras cognatas, palavras com prefixos ou sufixos, e os linking words.**

[...] - Who are you?

- Alan Turing.

- Ah, Turing. The mathematician.

- Correct.

However, could I have guessed?

You didn't. You just read it on that piece of paper.

King's College, Cambridge.

Now it says here you were a bit of a prodigy in the Maths Department.

I'm not sure I can evaluate that, Mr...

- How old are you, Mr. Turing?

- Uh, 27.

And how old were you when you became a fellow at Cambridge?

Twenty-four.

And how old were you when you published this paper that has a title that I can barely understand?

Uh, 23.

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And you don't think that qualifies you as a certified prodigy?

Well, Newton discovered Binomial Theorem aged 22.

Einstein wrote four papers that changed the world by the age of 26.

As far as I can tell, I've... (CHUCKLES) I've barely made par.

- My God, you're serious.

- Would you prefer I made a joke?

Oh, I don't think you know what those are.

Hardly seems fair that that's a requirement for employment here, Mr...

Commander Denniston, Royal Navy.

All right, Mr. Turing, I'll bite.

Why do you wish to work for His Majesty's Government?

Oh, I don't, really.

Are you a bleeding pacifist?

I'm agnostic about violence.

But you do realize that 600 miles away from London there's this nasty little chap called Hitler who wants to engulf Europe in tyranny?

Politics isn't really my area of expertise.

Really?

Well, I believe you've just set the record for the shortest job interview in British military history.

Oh, uh... (CHUCKLES)

Mother says I can be off-putting sometimes on account of being one of the best mathematicians in the world.

- In the world?

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- Oh, yes.

Do you know how many people I've rejected for this programme?

- No.

- That 's right.

Because we're a top secret programme.

But I'll tell you, just because we're friends, that only last week I rejected one of our great nation's top linguists. Knows German better than Bertolt Brecht.

- I don't speak German.

- What?

I don't speak German.

Well, how the hell are you supposed to decrypt German communications if you don't...

I don't know, speak German?

Well, I'm really quite excellent at crossword puzzles. German codes are a puzzle. A game just like any other game.

- I'm really very good at games, uh, puzzles. And this is the most difficult puzzle in the world.

Margaret!

For the love of God. This is a joke, obviously.

I'm afraid I don't know what those are, Commander Denniston.

Have a pleasant trip back to Cambridge, Professor.

Enigma.

You called for me? That's what you're doing here.

The top secret programme at Bletchley.

You're trying to break the German Enigma machine.

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What makes you think that?

It's the greatest encryption device in history and the Germans use it for all major communications.

If the Allies broke Enigma, well, this would turn into a very short war indeed.

Of course that's what you're working on. You also haven't got anywhere with it.

If you had, you wouldn't be hiring cryptographers out of university.

You need me a lot more than I need you. I... I like solving problems, Commander.

And Enigma is the most difficult problem in the world.

Oh, Enigma isn't difficult. It's impossible.

The Americans, the Russians, the French, the Germans. Everyone thinks Enigma is unbreakable.

Good. Let me try, then we'll know for sure, won't we?

[...] My name's Joan Clarke.

Miss, did you really solve this puzzle yourself?

What makes you think I couldn't solve the puzzle myself?

I'm really very good at...

Ma'am, I'll have to ask you to...

Miss Clarke, I find tardiness under any circumstance unacceptable.

Take a seat so that we may continue.

Thank you.

Now, as I was saying, you have six minutes to complete the task in front of you.

Erm, gentlemen, and lady... begin. Six minutes.

- Is that even possible?

- No, no. Takes me eight.

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This isn't about crossword puzzles. It's about how one approaches solving an impossible problem.

Do you tackle the whole thing at once or divide it into small...

You've finished?

Yes.

Five minutes and 34 seconds.

You said to do it in under six.

[...] These are actual decrypted Enigma messages direct from Nazi High Command.

"0600 hours, weather today is clear." "Rain in the evening. Heil Hitler."

Well, clearly that vital piece of information is going to win us the war.

It's the relationship between the encrypted and decrypted messages that interests me.

Can we find a clue here that we can build into Christopher?

[...] Are you trying to build your universal machine?

I read your paper at university.

So, you theorized a machine that could solve any problem?

It wasn't just programmable, it was re-programmable?

Human brains can compute large sums very quickly, even Hugh can do that, but I want

Christopher to be smarter.

To make a calculation and then to determine what to do next. Like a person does.

Think of it. An electrical brain. A digital computer. Digital computer?

[...] You know, in my admittedly limited experience, women tend to be a bit touchy about accidentally marrying homosexuals. Perhaps not spreading this information about might be in your best interest.

[...] A machine is different from a person. Hence, they think differently.

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The interesting question is just because something, er, thinks differently from you, does that mean it's not thinking? Well, we allow for humans to have such **divergences** from one another.

## **Q2 - Palavras cognatas**

- a) Homosexuals: homossexuais
- b) Digital: digital
- c) Universal: universal
- d) Information: informação
- e) Messages: mensagens

## **Q3 - Palavras com prefixo e sufixo**

- a) Accidentally: acidentalmente
- b) Marrying: casando
- c) Unbreakable: inquebrável
- d) Unacceptable: inaceitável
- e) Employment: emprego

## **Q4 - *Linking Words***

- a) However: entretanto
- b) Hence: por isso
- c) Perhaps: talvez
- d) Indeed: de fato
- e) Well: satisfatoriamente