

天主教輔仁大學英國語文學系學士班畢業成果
ENGLISH DEPARTMENT, FU JEN CATHOLIC UNIVERSITY
GRADUATION PROJECT 2019

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真善美聖

Stop Motion Animation

SANCTITAS BONITAS

PULCHRITUDO

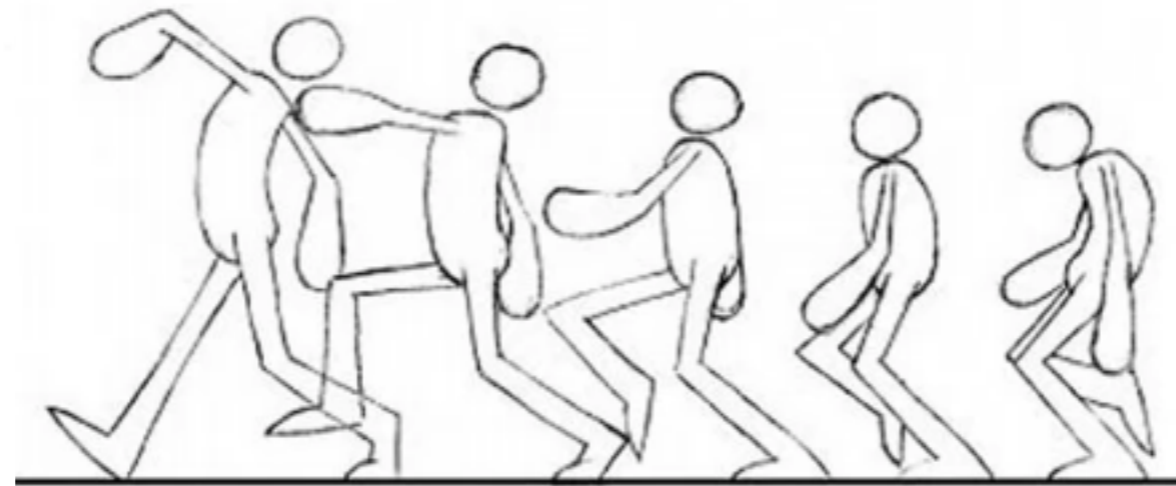
VERITAS

學生：李靜撰

Jean Ching Lee

STOP MOTION

ANIMATION





Introduction to Stop-Motion

a time-honored art

WHAT IS STOP-MOTION?

Stop motion is an animation technique that physically manipulates an object so that it appears to move on its own. The object is moved in small increments between individually photographed frames, creating the illusion of movement when the series of frames is played as a fast sequence. Dolls with movable joints or clay figures are often used in stop motion for their ease of repositioning. Stop motion animation using plasticine is called clay animation or "clay-mation". Many stop motion films can involve using humans, household appliances and other things for comedic effect. Stop motion can also use sequential drawing in a similar manner to traditional animation, such as a flip book. Stop motion involves moving characters around on set by hand, shooting tiny movements individually, at a rate of 24 individual frames of action for each actual second.



Production Name:		Page No:
Shot: _____	Shot: _____	Shot: _____
Action: _____	Action: _____	Action: _____
SoundTime: _____	SoundTime: _____	SoundTime: _____
Shot: _____	Shot: _____	Shot: _____
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PUPPET MAKING

...

MAKING OF A STOP-MOTION ANIMATION



Q&A

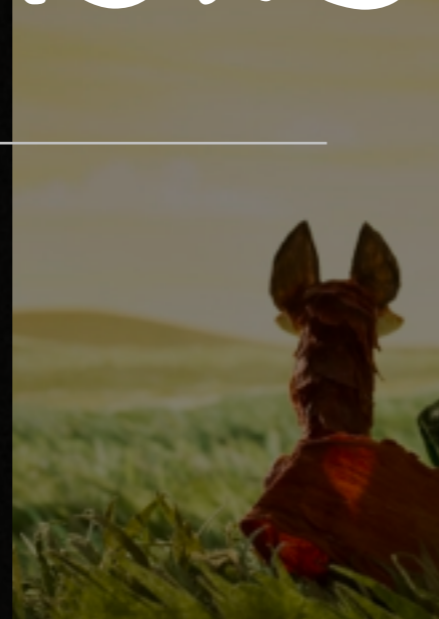
How many frames should be shot in one second?

- A. 8
- B. 12
- C. 24
- D. 32

核對答案



FAMOUS STOP-MOTIONS



Kubo and the two strings

DIRECTOR: TRAVIS KNIGHT

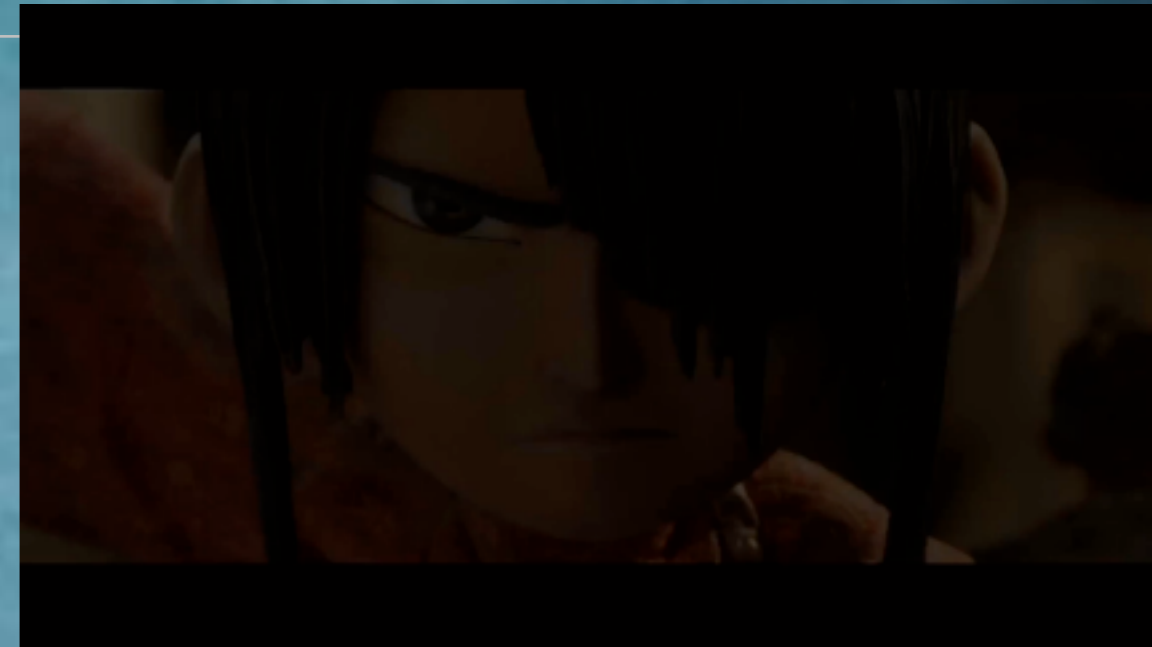
CAST: ART PARKINSON, CHARLIZE
THERON, RALPH FIENNES, GEORGE
TAKEI



STORY

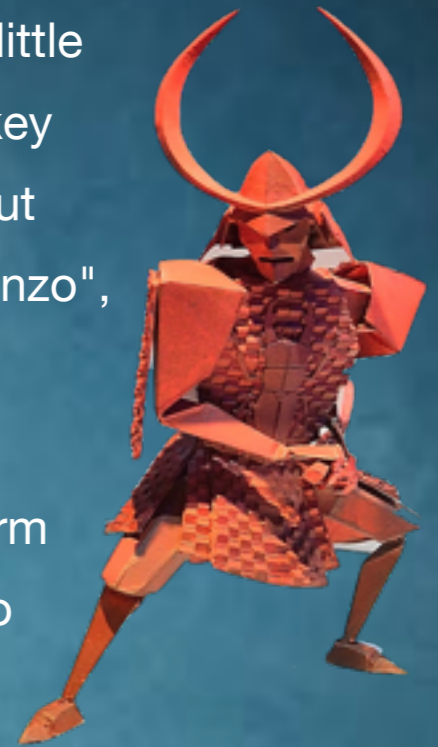
In Japan, young, 12-year-old eye-patched Kubo tends to his ill mother Sariatu in a mountain cave near a village. He earns their meager living by magically manipulating origami with music from his shamisen for the village folk and his mother, telling the tale of a samurai warrior named Hanzo, Kubo's missing father. Kubo is never able to finish his story because he doesn't know what happened to his father and his mother can't recall the end of the story due to her deteriorating mental state. Sariatu warns him not to stay out after dark as her Sisters (his aunts), Karasu and Washi, and his grandfather, the Moon King (who took his eye when he was a baby) will be able to find him and take his remaining eye.

One day, Kubo learns of the village's Bon festival allowing them to speak to deceased loved ones. Kubo attends but is angry that Hanzo does not appear from his lantern, and forgets to return home before sunset. Karasu and Washi immediately found him and attacked, but Sariatu appears to protect Kubo. She uses her magic to send Kubo far away where they will never find him, telling him to find his father's armor. Kubo grabs a strand of Sariatu's hair before he is sent away.





Kubo wakes up in a distant land to find Monkey, his little wooden snow monkey charm, has come alive. Monkey tells him Sariatu is gone and the village destroyed, but they must find Hanzo's armor. With help of "Little Hanzo", an origami figure based on Kubo's father, they track down the armor. Along the way, they meet Beetle, an amnesiac samurai who was cursed to take the form of a stag beetle/human hybrid but believes himself to have been Hanzo's



apprentice. Meanwhile, the Sisters track down Kubo's trail.

Kubo, Monkey, and Beetle reclaim the "Sword Unbreakable" from an underground cave "Hall of Bones" guarded by a giant skeleton. They cross the Long Lake in a leaf boat to locate the "Breastplate Impenetrable" deep underwater. Kubo and Beetle swim down to retrieve it and encounter a sea monster, the "Garden of Eyes" who can entrance its victims with its many eyes by showing secrets. Kubo is caught in the creature's sight, but while entranced, comes to realize that Monkey is the reincarnated spirit of his mother. Beetle rescues the unconscious Kubo and obtains the Breastplate, but returning to the boat, they find that Monkey has been badly wounded fighting and defeating Karasu. Their boat has been badly damaged in the battle but restored by Kubo and Monkey's own magic.





They go to shore to recover, where Monkey explains that she and her Sisters had been ordered by the Moon King to kill Hanzo, but she instead fell in love with him, and the Moon King branded her an enemy. That night, Kubo dreams of meeting Raiden, a blind elderly man, who points him towards the "Helmet Invulnerable" in Hanzo's abandoned fortress. They travel there the next day, but realize too late it is a trap set by the Moon King and Washi. Washi reveals that Beetle is Hanzo, who they had cursed for taking Sariatu away from them. She kills Beetle, and Monkey sacrifices herself, allowing Kubo the time he needs to use his shamisen to defeat Washi, breaking two of the three strings on it. Little Hanzo provides insight that the Helmet is actually the bell at the village, and Kubo breaks the last string to quickly travel there.

At the village, Kubo meets Raiden, who is revealed as the Moon King. He offers to take Kubo's other eye as to make him immortal, but Kubo refuses. Raiden transforms into a giant centipede-like creature, the Moon Beast, and pursues Kubo and the remaining villagers into its cemetery. Kubo removes Hanzo's armor that has proven ineffective, and instead restrings his shamisen using his mother's hair, his father's bowstring, and his own hair. Kubo and the spirits' magic protects themselves and the villagers from the Moon Beast, eventually stripping him of his powers and leaving him a mortal human without any memories. Kubo finally is able to speak to his parents' ghosts during the subsequent Bon ceremony, as they watch the deceased villagers' lanterns transform into golden herons and they fly to the spirit world into the sky.

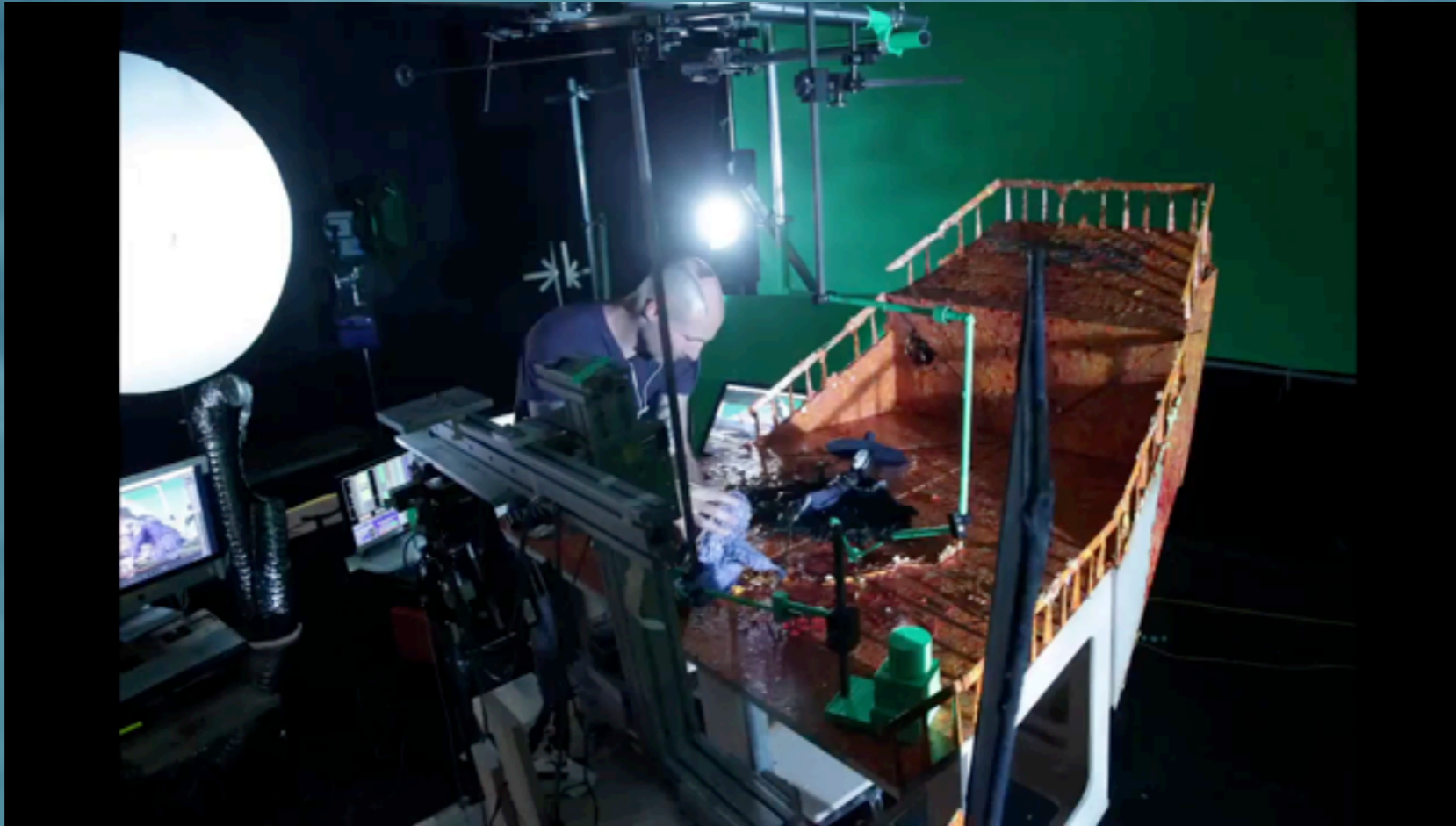


BEHIND



THE SCENES

THE MAGIC OF LAIKA



The boat is 12 ft.-long, 14-ft.-high, and 4 1/2 feet wide, about the size of a conventional canoe, but they have masts, ruffled sails, tiny handrails around the edges, and little decks connected with miniature stairs. It is covered in 250,000 3D-printed laser-cut leaves that were pasted one by one onto the structure. This scene is where Kubo and his friends decide to navigate the lake they have to cross to find a precious piece of armor. At one point the boat cracks in two, so the team set out to build two identical boats, one pre-storm and one post-storm. Those leaves the size of a fingernail had to be in the exact same spot on both versions of the boat, each individually laser-cut and about the size of a human thumbnail so they'd move smoothly and match from shot to shot within the film. The boat has enough room to actually fit animators in there. Every set is built 43.5 inches off ground so animators can go underneath it. Then, they all detach in 2 foot square sections for the animators to pop up through from the bottom.

THE MAGIC OF LAIKA

- Laika uses 3D printing to produce an array of expressions that they can put onto the figurines' head. Each puppet requires a complicated custom body, handmade clothing, and a rig that can hold the tens of thousands of 3D printed faces the animators swap in and out.
- Kubo Has 48 Million Possible Facial Expressions, with 23,187 different faces, 11,007 mouth positions and the 4,429 brow versions.



FULL-SCALE SETTINGS



Q&A

第 1 題 (共 2 題)

What did Kubo use as his string at the end of the move?

- A.** His hair
- B.** His mother's hair
- C.** A floss
- D.** He made a string out of origami



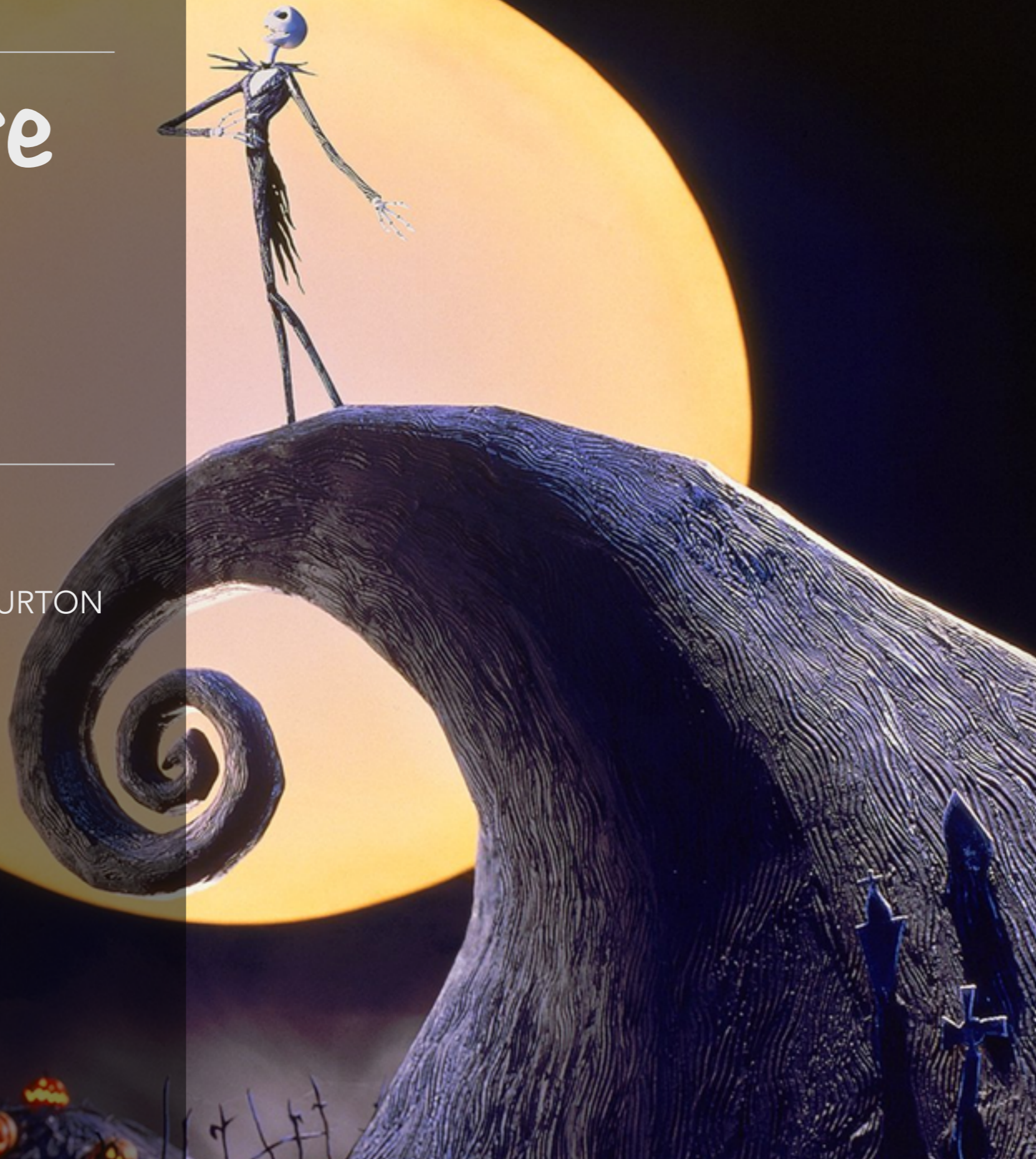
核對答案



The Nightmare Before Christmas

DIRECTED BY HENRY SELICK

CONCEIVED AND PRODUCED BY TIM BURTON



STORY



Jack Skellington

The film's protagonist, a skeleton who has a charming personality and is very popular among the inhabitants of Halloween Town. He is in charge of Halloween, but finds inspirations and new ideas in the Christmas Town.

Halloween Town is a fantasy world filled with citizens such as deformed monsters, ghosts, ghouls, goblins, zombies, mummies, vampires, werewolves, and witches. Jack Skellington, the "Pumpkin King" and leader of the town, leads them in organizing the annual Halloween celebrations. However, privately Jack has grown weary of the same routine year after year, and wants something new. Wandering in the woods the morning after Halloween, he stumbles across seven trees containing doors leading to towns representing various holidays, and opens a portal to Christmas Town. Awed by the unfamiliar holiday, Jack returns to Halloween Town to show the residents his findings, but they fail to grasp the idea of Christmas and compare everything to their ideas of Halloween. Jack sequesters himself in his tower to study Christmas and find a way to rationally explain it, but cannot. He ultimately decides that it's unfair for Christmas Town alone to enjoy the holiday and announces that he and the citizens of Halloween Town will take over Christmas this year.

Jack assigns the citizens of Halloween Town Christmas-themed jobs, including singing carols, making presents, and building a sleigh to be pulled by skeletal reindeer. Sally, a beautiful rag doll woman that is secretly in love with Jack, feels that their efforts will

STORY



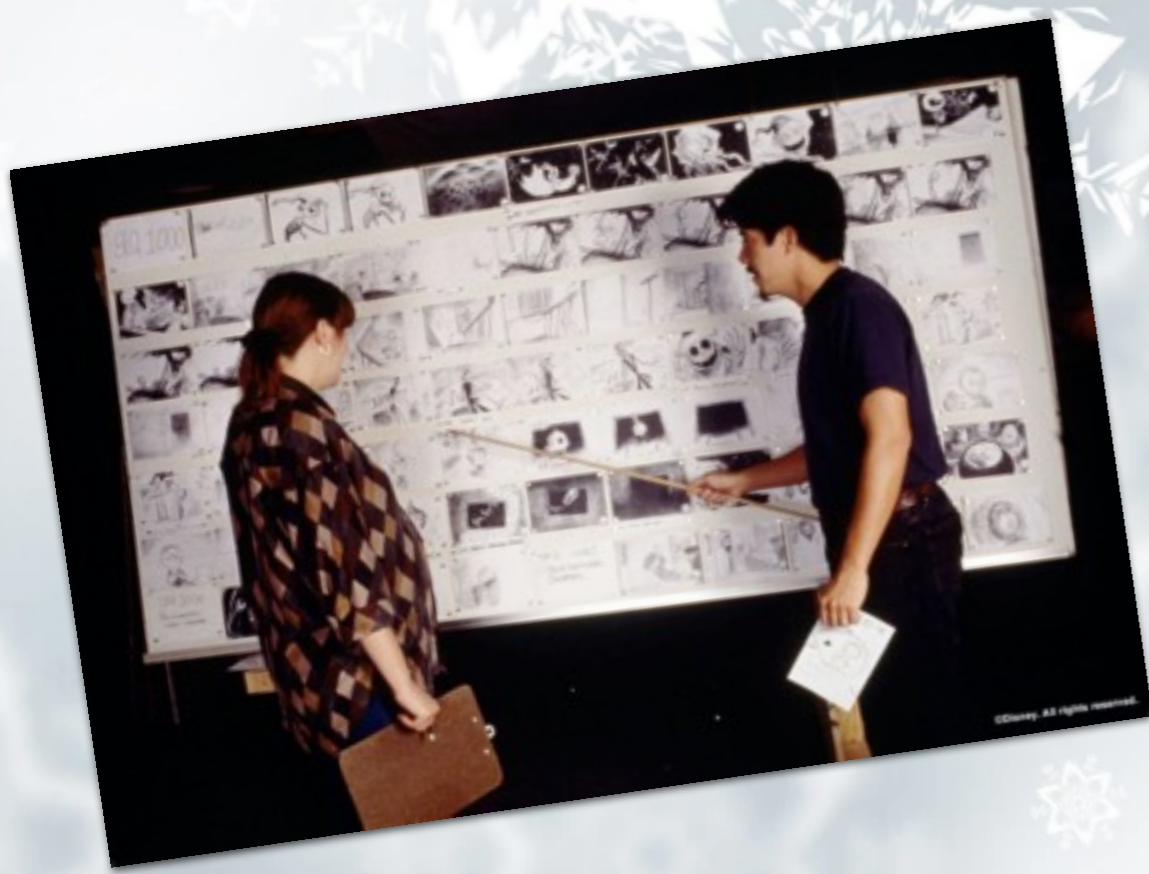
Jack departs to deliver presents to the world, but the Halloween-styled gifts terrify and attack the populace. As concerns over "Santa's" behavior grows, the military takes action and shoot down Jack, causing him to crash in the cemetery. As Jack bemoans the disaster he has made of Christmas, he finds he enjoyed the experience nonetheless, reigniting his love of Halloween. Jack returns to Halloween Town and finds Oogie's lair. Oogie tries to kill Jack, and Jack pulls apart the thread holding Oogie's cloth form together, revealing a massive pile of bugs that fall into Oogie's cauldron and are killed. Jack apologizes to Santa for his actions, and Santa assures Jack that he can fix things and returns to Christmas Town. As Santa replaces the Halloween-style presents with genuine ones, the townspeople of Halloween Town celebrate Jack's return. Santa then visits Halloween Town and brings them a snowfall for the residents to play with. In the graveyard, Jack and Sally declare their love for each other.



BRINGING PUPPETS



TO LIFE



The Nightmare Before Christmas originated in a poem written by Tim Burton in 1982, while he was working as an animator at Walt Disney Feature Animation. The Production started in July 1991 in San Francisco; Disney released the film through its Touchstone Pictures banner because the studio believed the film would be "too dark and scary for kids". The production of this animation took 3 years, at San Francisco, with a crew of over 120 camera

operators, set and prop builders, and puppet makers,utilizing 20 sound stages for filming. In total, there were 200 puppets, and 109,440 frames taken for the film.



魚的逃亡



李靜

黃艾群

陳羿樺

劉雅絢

旦增晉美

Inspiration

This animation is based on one of the most significant festivals celebrated in Tibet, the Saga Dawa festival. The festival involves the liberation of fishes in the Lhasa river, which is considered as an act of virtue and kindness. However, in reality, a lot of the fishes that are sold are actually caught downstream when people release them at the upstream. So we wanted to create an animation in the perspective of the fishes being repeatedly caught and liberated.



3 main themes

1. The reality of the liberation of fishes
2. Different perspectives of happiness
3. The pollution in our environment

