

## 1.1 Контрольный пример

Контрольный пример представляет собой ручной вариант решения задачи с известными результатами и используется для проверки правильности решения на ЭВМ. Входные данные для контрольного примера представлены в таблицах 1.1.1 – 1.1.3. Выходные данные контрольного примера представлены в таблице 1.1.4.

Таблица 1.1.1 – Фильмы

Номер	Название	Описание	Режиссер
1	2	3	4
1	Avatar	A paraplegic marine dispatched to the moon Pandora on a unique mission becomes torn between following his orders and protecting the world he feels is his home.	James Cameron
2	I Am Legend	Years after a plague kills most of humanity and transforms the rest into monsters, the sole survivor in New York City struggles valiantly to find a cure.	Francis Lawrence
3	300	King Leonidas of Sparta and a force of 300 men fight the Persians at Thermopylae in 480 B.C.	Zack Snyder
4	The Avengers	Earth's mightiest heroes must come together and learn to fight as a team if they are to stop the mischievous Loki and his alien army from enslaving humanity.	Joss Whedon
5	The Wolf of Wall Street	Based on the true story of Jordan Belfort, from his rise to a wealthy stock-broker living the high life to his fall involving crime, corruption and the federal government.	Martin Scorsese
6	Interstellar	A team of explorer's travel through a wormhole in space in an attempt to ensure humanity's survival.	Christopher Nolan

Продолжение таблицы 1.1.1

1	2	3	4
7	Game of Thrones	While a civil war brews between several noble families in Westeros, the children of the former rulers of the land attempt to rise up to power. Meanwhile a forgotten race, bent on destruction, plans to return after thousands of years in the North.	David Nutter
8	Vikings	The world of the Vikings is brought to life through the journey of Ragnar Lothbrok, the first Viking to emerge from Norse legend and onto the pages of history - a man on the edge of myth.	Daniel Grou
9	Gotham	The story behind Detective James Gordon's rise to prominence in Gotham City in the years before Batman's arrival.	Danny Cannon
10	Power	James "Ghost" St. Patrick, a wealthy New York night club owner who has it all, catering for the city's elite and dreaming big, lives a double life as a drug kingpin.	Courtney A.Kemp
11	Narcos	A chronicled look at the criminal exploits of Colombian drug lord Pablo Escobar.	José Padilha
12	Breaking Bad	A high school chemistry teacher diagnosed with inoperable lung cancer turns to manufacturing and selling methamphetamine in order to secure his family's financial future.	George Vincent Gilligan Jr.
13	Doctor Strange	After his career is destroyed, a brilliant but arrogant and conceited surgeon gets a new lease on life when a sorcerer takes him under her wing and trains him to defend the world against evil.	Scott Derrickson
14	Rogue One: A Star Wars Story	The Rebellion makes a risky move to steal the plans to the Death Star, setting up the epic saga to follow.	Gareth Edwards
15	Assassin's Creed	When Callum Lynch explores the memories of his ancestor Aguilar and gains the skills of a Master Assassin, he discovers he is a descendant of the secret Assassins society.	Justin Kurzel

Продолжение таблицы 1.1.1

Актеры	Длительность, мин.	Жанр	Дата премьеры	Страна
5	6	7	8	9
Sam Worthington, Zoe Saldana, Sigourney Weaver, Stephen Lang	162	Action	18.12.2009	USA
Will Smith, Alice Braga, Charlie Tahan, Salli Richardson-Whitfield	101	Drama	14.12.2007	USA
Gerard Butler, Lena Headey, Dominic West, David Wenham	117	Action	09.03.2007	USA
Robert Downey Jr., Chris Evans, Mark Ruffalo, Chris Hemsworth	143	Action	04.05.2012	USA
Leonardo DiCaprio, Jonah Hill, Margot Robbie, Matthew McConaughey	180	Biography	25.12.2013	USA
Ellen Burstyn, Matthew McConaughey, Mackenzie Foy, John Lithgow	169	Adventure	07.11.2014	USA
Peter Dinklage, Lena Headey, Emilia Clarke, Kit Harington	56	Adventure	17.04.2011	USA

Продолжение таблицы 1.1.1

5	6	7	8	9
Travis Fimmel, Clive Standen, Gustaf Skarsgård, Katheryn Winnick	44	Action	03.03.2013	Ireland
Ben McKenzie, Donal Logue, David Mazouz, Sean Pertwee	42	Action	01.08.2014	USA
Omari Hardwick, Joseph Sikora, Andy Bean, Lela Loren	50	Crime	14.08.2020	USA
Wagner Moura, Boyd Holbrook, Pedro Pascal, Joanna Christie	49	Biography	28.08.2015	USA
Bryan Cranston, Anna Gunn, Aaron Paul, Dean Norris	49	Crime	20.01.2008	USA
Rachel McAdams, Benedict Cumberbatch, Mads Mikkelsen, Tilda Swinton	115	Action	04.11.2016	USA
Felicity Jones, Riz Ahmed, Mads Mikkelsen, Ben Mendelsohn	133	Action	16.12.2016	USA
Michael Fassbender, Michael Kenneth Williams, Marion Cotillard, Jeremy Irons	115	Action	21.11.2016	UK

Таблица 1.1.2 – Расписание

Номер расписани я	Название фильма	Название зала	Дата начала	Цена, руб.
1	2	3	4	5
1	Avatar	Chautauqua	24.09.2024 08:00	100
2	Gotham	Iola	24.09.2024 10:00	200
3	Vikings	Utting	24.09.2024 12:00	300
4	Game of Thrones	Roulette	24.09.2024 14:00	200
5	The Wolf of Wall Street	Gardiner	24.09.2024 16:00	300
7	The Avengers	Chautauqua	25.09.2024 08:00	300
8	300	Utting	25.09.2024 11:00	300
9	I Am Legend	Roulette	25.09.2024 12:00	200
11	Luke Cage	Gardiner	25.09.2024 14:00	200
12	Assassin's Creed	Iola	25.09.2024 16:00	100
13	Doctor Strange	Chautauqua	25.09.2024 19:00	100
14	Power	Utting	25.09.2024 21:00	100
15	Narcos	Roulette	26.09.2024 08:00	100
16	Breaking Bad	Gardiner	26.09.2024 09:00	300

Таблица 1.1.3 – Пользователи

Номер	Логин	Пароль	Почта
1	2	3	4
1	Lindsey	534b3633	lindseynichols@autograte.com
2	Burch	37ee59de	burchnichols@autograte.com
3	Ida	b3e0e5a7	idanichols@autograte.com
4	Warren	9dc0f878	warrennichols@autograte.com
5	Cross	1300d9a5	crossnichols@autograte.com

Продолжение таблицы 1.1.3

1	2	3	4
6	Holloway	f2253d53	hollowaynichols@autograte.com
7	Hull	91831983	hullnichols@autograte.com
8	Leach	26a60dc2	leachnichols@autograte.com
9	Charlene	e5d2278c	charlenenichols@autograte.com
10	Kathy	7609ef38	kathynichols@autograte.com
11	Helena	d743ad61	helenanichols@autograte.com
12	Ingram	64e2540e	ingramnichols@autograte.com
13	Atkinson	063075ba	atkinsonnichols@autograte.com
14	Sexton	b955e24e	sextonnichols@autograte.com
15	Lawson	180bd5b9	lawsonnichols@autograte.com
16	Courtney	ca460297	courtneynichols@autograte.com
17	Camacho	a13d7665	camachonichols@autograte.com
18	Bush	131e88c1	bushnichols@autograte.com
19	Deann	8e6e0263	deannnichols@autograte.com
20	admin	admin	admin

Таблица 1.1.4 – Билет

Номер	Фильм	Зал	Дата сеанса	Цена, руб.	Пользователь
1	2	3	4	5	6
1	Earwax	Chautauqua	24.09.2024 08:00	100	Lindsey
2	Zolavo	Gardiner	24.09.2024 16:00	300	Burch
3	Earwax	Roulette	26.09.2024 08:00	100	Ida
4	Earwax	Chautauqua	24.09.2024 08:00	100	Cross
5	Earwax	Gardiner	27.09.2024 08:00	300	Warren
6	Sultraxin	Gardiner	27.09.2024 08:00	300	Hull
7	Lumbrex	Utting	24.09.2024 12:00	300	Charlene
8	Earwax	Chautauqua	24.09.2024 08:00	100	Kathy
9	Earwax	Chautauqua	24.09.2024 08:00	100	Helena
10	Earwax	Chautauqua	24.09.2024 08:00	100	Atkinson
11	Earwax	Chautauqua	24.09.2024 08:00	100	Lawson