

Lab Questions Answered Succinctly

1. Did you test BFS on the small test set?

Yes. The BFS functions (`bfs`, `getPath`, `missingVertices`, and `averageSeparation`) were tested using the small dataset.

Example results:

- `c 3`: Found top 3 centers (`Nobody`, `Nobody's Friend`, and `Bob`).
- `p Alice`: Showed the shortest path from Alice to Kevin Bacon.
- `i`: Displayed correct connection count and average separation.
- `d 1 3`: Listed actors by degree range.
- `s 0 2`: Listed actors by separation from the center.

2. Did you test all commands on both small and large datasets?

Yes. The same commands were tested on both datasets, ensuring consistency in:

- Finding shortest paths (`p <actor>`).
- Changing centers (`u <actor>`).
- Listing actors by degree (`d <low> <high>`).
- Listing actors by separation range (`s <low> <high>`).
- Computing best centers (`c <n>`).
- Showing connected actors and separation (`i`).

Example outputs:

- `p Walter Matthau`: Found a valid path to Kevin Bacon.
- `i` (on Kevin Bacon): Showed **7,493 connected actors** and **average separation of ~3.28**.
- `d 0 1`: Listed actors with 1 or no co-stars.
- `c 2`: Found **Julie Bishop** and **Vicki Frederick** as the best centers.

3. Who are the “Good” and “Bad” Bacons (best and worst centers)?

Good Bacons (best centers, lowest separation):

- Julie Bishop (1.0 avg separation)
- Vicki Frederick (1.0 avg separation)
- Kevin Bacon (3.28 avg separation)
- Sage Stallone (4.27 avg separation)

Bad Bacons (worst centers, highest separation):

- Emma Coles (6.17 avg separation)
- Dana Kimmell (1.0 avg separation but only 3 connections)

Comparison with Kevin Bacon:

- Kevin Bacon is well-connected but not the best center in terms of average separation.
- Other actors, like Julie Bishop and Vicki Frederick, have shorter average paths to more actors.

4. Show it works on the large dataset

Yes, all commands were successfully executed on the full dataset.

- A. BFS correctly found paths (e.g., `p Walter Matthau` → Kevin Bacon in 2 steps).
- B. Degree-based queries (`d 0 1`) listed actors with minimal co-stars.
- C. Separation-based queries (`s 1 2`) showed well-connected actors.
- D. Best centers (`c 2`) computed correctly, though it took significant processing time.

E.Tests on small data sets:

Kevin Bacon is now the center of the acting universe.

Kevin Bacon game > c 3

Computing best centers... This may take a while.

Top 3 best centers of the universe:

Nobody (Avg separation: 1.0)

Nobody's Friend (Avg separation: 1.0)

Bob (Avg separation: 1.25)

Kevin Bacon game > p Nobody

Nobody is not connected to Kevin Bacon

Kevin Bacon game > p Alice

Alice's number is 1

Kevin Bacon appeared in [A movie, E movie] with Alice

Kevin Bacon game > kl

Unknown command. Enter 'h' to see available commands.

Kevin Bacon game > i

Kevin Bacon is connected to 4 actors.

Average separation: 1.75

Kevin Bacon game > u Charlie

Charlie is now the center of the acting universe.

Kevin Bacon game > i

Charlie is connected to 4 actors.

Average separation: 1.25

Kevin Bacon game > p Alice

Alice's number is 1

Charlie appeared in [D movie] with Alice

Kevin Bacon game > u utonmde

utonmde is not in the dataset. Center not changed.

Kevin Bacon game > 4

Unknown command. Enter 'h' to see available commands.

Kevin Bacon game > d 1 3

Actors with degree between 1 and 3:

Nobody (1 co-stars)

Nobody's Friend (1 co-stars)
Dartmouth (Earl thereof) (1 co-stars)
Kevin Bacon (2 co-stars)
Bob (3 co-stars)
Alice (3 co-stars)
Charlie (3 co-stars)

Kevin Bacon game > s 2 4
Actors with separation between 2 and 4:
Kevin Bacon (Separation: 2)

Kevin Bacon game > s 0 2
Actors with separation between 0 and 2:
Charlie (Separation: 0)
Bob (Separation: 1)
Alice (Separation: 1)
Dartmouth (Earl thereof) (Separation: 1)
Kevin Bacon (Separation: 2)

Kevin Bacon game > d
Usage: d <low> <high>

Kevin Bacon game > s
Usage: s <low> <high>

Kevin Bacon game > g
Unknown command. Enter 'h' to see available commands.

Kevin Bacon game > h
Commands:
p <name> - find shortest path from <name> to current center
u <name> - change center of the universe
d <low> <high> - list actors with co-stars between <low> and <high>
s <low> <high> - list actors sorted by separation from center
c <n> - find the top <n> best 'centers of the universe'
i - show number of connected actors & average separation
q - quit

Kevin Bacon game > q
Goodbye!

F. Tests on large data sets:

Kevin Bacon is now the center of the acting universe.

Kevin Bacon game > h

Commands:

- p <name> - find shortest path from <name> to current center
- u <name> - change center of the universe
- d <low> <high> - list actors with co-stars between <low> and <high>
- s <low> <high> - list actors sorted by separation from center
- c <n> - find the top <n> best 'centers of the universe'
- i - show number of connected actors & average separation
- q - quit

Kevin Bacon game > p Walter Matthau

Walter Matthau's number is 2

Kevin Bacon appeared in [In the Cut (2003)] with Meg Ryan

Meg Ryan appeared in [I.Q. (1994), Hanging Up (2000)] with Walter Matthau

Kevin Bacon game > i

Kevin Bacon is connected to 7493 actors.

Average separation: 3.2814626985186175

Kevin Bacon game > d 0 1

Actors with degree between 0 and 1:

- Jessica Dragonette (1 co-stars)
- Eva Hayata (1 co-stars)
- Geraldo Rivera (1 co-stars)
- Lanny Ross (1 co-stars)
- Delbert Ward (1 co-stars)
- Christian Canterbury (1 co-stars)
- Jimmy Cummings. Elijah Wood (1 co-stars)
- Debra Eisenstadt (1 co-stars)
- Connie Chung (1 co-stars)
- Leonard Peltier (1 co-stars)
- Spencer Aste (1 co-stars)
- Robert August (1 co-stars)
- Pierre Arditi (1 co-stars)
- Dave McCrea (1 co-stars)
- Yuri Solomin (1 co-stars)
- Andrew Crowley (1 co-stars)
- Barry Yourgrau (1 co-stars)

Kevin Lynch (1 co-stars)
Brian Burns. Vincent Rubino (1 co-stars)
Eishy Hayata (1 co-stars)
Deems Taylor (1 co-stars)
Emma Caulfield (1 co-stars)
Justin Earle (1 co-stars)
Chaney Kley (1 co-stars)
Maksim Munzuk (1 co-stars)
Steve Earle (1 co-stars)
Jamaica Kincaid (1 co-stars)
Leopold Stokowski (1 co-stars)
Mike Hynson (1 co-stars)

Kevin Bacon game > s 1 2

Actors with separation between 1 and 2:

Jennifer Aniston (Separation: 1)
Finn Carter (Separation: 1)
Meryl Streep (Separation: 1)
Demi Moore (Separation: 1)
Olympia Dukakis (Separation: 1)
J.T. Walsh (Separation: 1)
Charlize Theron (Separation: 1)
Sean Astin (Separation: 1)
Kathryn Erbe (Separation: 1)
Yolanda Vazquez (Separation: 1)
Rudy Ramos (Separation: 1)
Christian Slater (Separation: 1)
Joe Mantegna (Separation: 1)
Kim Dickens (Separation: 1)
David Strathairn (Separation: 1)
Mickey Rourke (Separation: 1)
Calista Flockhart (Separation: 1)
Embeth Davidtz (Separation: 1)
Ron Eldard (Separation: 1)
Jay Mohr (Separation: 1)
John Malkovich (Separation: 1)
Alec Baldwin (Separation: 1)
Tess Harper (Separation: 1)
Neve Campbell (Separation: 1)
Bill Paxton (Separation: 1)
Marian Seldes (Separation: 1)
Denise Richards (Separation: 1)
Fred Ward (Separation: 1)
Dianne Wiest (Separation: 1)

Jami Gertz (Separation: 1)
Maximilian Schell (Separation: 1)
Bridget Fonda (Separation: 1)
Robert De Niro (Separation: 1)
Michael Gross (Separation: 1)
Illeana Douglas (Separation: 1)
Sean Penn (Separation: 1)
Elisabeth Shue (Separation: 1)
Kiefer Sutherland (Separation: 1)
Tommy Lee Jones (Separation: 1)
Charles Gitonga Maina (Separation: 1)
Gary Sinise (Separation: 1)
Meg Ryan (Separation: 1)
Jennifer Jason Leigh (Separation: 1)
Stephanie Sawyer (Separation: 1)
Matt Dillon (Separation: 1)
Jack Nicholson (Separation: 1)
Courtney Love (Separation: 1)
Billy Crudup (Separation: 1)
John Lithgow (Separation: 1)
Joseph Mazzello (Separation: 1)
Linda Fiorentino (Separation: 1)
Tim Robbins (Separation: 1)
Steve Guttenberg (Separation: 1)
Winston Ntshona (Separation: 1)
William Windom (Separation: 1)
Jim Cummings (Separation: 1)
Karen Young (Separation: 1)
Kevin Costner (Separation: 1)
Julia Roberts (Separation: 1)
Zachary David Cope (Separation: 1)
Bob Hoskins (Separation: 1)
Daniel Stern (Separation: 1)
Tom Cruise (Separation: 1)
Emily Longstreth (Separation: 1)
Laurence Fishburne (Separation: 1)
Brad Renfro (Separation: 1)
Stuart Townsend (Separation: 1)
Josh Brolin (Separation: 1)
Elizabeth McGovern (Separation: 1)
Lori Singer (Separation: 1)
Mary Stuart Masterson (Separation: 1)
Jonathan Ward (Separation: 1)
Evan Rachel Wood (Separation: 1)

K.C. Martel (Separation: 1)
Mark Ruffalo (Separation: 1)
William Baldwin (Separation: 1)
Paul Rodriguez (Separation: 1)
Gary Oldman (Separation: 1)
Laurie Metcalf (Separation: 1)
Tom Hanks (Separation: 1)
Kali Rocha (Separation: 2)
Rachel True (Separation: 2)
Alex Daniels (Separation: 2)
Madison Eginton (Separation: 2)
Sam Shepard (Separation: 2)
James Caan (Separation: 2)
Robert John Burke (Separation: 2)
Nathan Lane (Separation: 2)
Michael Durrell (Separation: 2)
Burt Young (Separation: 2)
Frances (II) O'Connor (Separation: 2)
Randy Quaid (Separation: 2)
Anouk Aimée (Separation: 2)
Liam Neeson (Separation: 2)
Tony Jay (Separation: 2)
Anne Twomey (Separation: 2)
Robert Forster (Separation: 2)
Cody McMains (Separation: 2)
Jason Patric (Separation: 2)
Amanda Peet (Separation: 2)
Mare Winningham (Separation: 2)
Matthew Lawrence (Separation: 2)
Ray McAnally (Separation: 2)
Hugo Weaving (Separation: 2)
Nicholas Cage (Separation: 2)
Mary Woronov (Separation: 2)
Morgan Freeman (Separation: 2)
Tawny Kitaen (Separation: 2)
John Huston (Separation: 2)
Kristin Scott Thomas (Separation: 2)
Carrie Snodgrass (Separation: 2)
Victor Argo (Separation: 2)
John Ritter (Separation: 2)
William Redfield (Separation: 2)
Samuel L. Jackson (Separation: 2)
Jude Law (Separation: 2)
Irène Jacob (Separation: 2)

Jim Metzler (Separation: 2)
Brett Harrelson (Separation: 2)
Albert Brooks (Separation: 2)
Mischa Barton (Separation: 2)
Rod Steiger (Separation: 2)
Elaine Stritch (Separation: 2)
Chazz Palminteri (Separation: 2)
Joel Grey (Separation: 2)
Don Cheadle (Separation: 2)
Tobey Maguire (Separation: 2)
Peter Kwong (Separation: 2)
Emmanuelle B art (Separation: 2)
Rene Russo (Separation: 2)
Jessica Tandy (Separation: 2)
Jason London (Separation: 2)
Dara Perlmutter (Separation: 2)
Adam Arkin (Separation: 2)
Peter Friedman (Separation: 2)
Joanna Pacula (Separation: 2)
Bruce Dern (Separation: 2)
Tina Majorino (Separation: 2)
Kathy Burke (Separation: 2)
Ian Abercrombie (Separation: 2)
John Hurt (Separation: 2)
Jessica Capshaw (Separation: 2)
Richard Jaeckel (Separation: 2)
Joseph Gordon-Levitt (Separation: 2)
Aaron Eckhart (Separation: 2)
Michael Kitchen (Separation: 2)
Linda Hunt (Separation: 2)
Christian Bale (Separation: 2)
Jsu Garcia (Separation: 2)
Mario Van Peebles (Separation: 2)
Ruocheng Ying (Separation: 2)
Shawn Driscoll (Separation: 2)
Buzz Kilman (Separation: 2)
James (II) Davidson (Separation: 2)
Ian Holm (Separation: 2)
Christopher McDonald (Separation: 2)
Nick Searcy (Separation: 2)
Linda Hamilton (Separation: 2)
Lili Taylor (Separation: 2)
Lance Henriksen (Separation: 2)
Wendell Pierce (Separation: 2)

John Savage (Separation: 2)
Shirley MacLaine (Separation: 2)
Anthony Hopkins (Separation: 2)
Kelly McGillis (Separation: 2)
Andra Millian (Separation: 2)
Margaret Langrick (Separation: 2)
Noah Emmerich (Separation: 2)
Kim Greist (Separation: 2)
Jamie Lee Curtis (Separation: 2)
John Cusack (Separation: 2)
Kelly LeBrock (Separation: 2)
Charlotte Bradley (Separation: 2)
Molly McCarthy (Separation: 2)
Susanna Thompson (Separation: 2)
Ellen Barkin (Separation: 2)
Winona Ryder (Separation: 2)
Robert Schenkkan (Separation: 2)
Edward Edwards (Separation: 2)
Pamela Gidley (Separation: 2)
Chris Noth (Separation: 2)
David Hemmings (Separation: 2)
Eric Stoltz (Separation: 2)
Caroline Goodall (Separation: 2)
Graham Beckel (Separation: 2)
John Pankow (Separation: 2)
Josh Lucas (Separation: 2)
Treat Williams (Separation: 2)
Nick Stahl (Separation: 2)
Thomas Jane (Separation: 2)
Klaus Maria Brandauer (Separation: 2)
Rick Aviles (Separation: 2)
Peter Falk (Separation: 2)
Peter Gallagher (Separation: 2)
Danny DeVito (Separation: 2)
Kris Kristofferson (Separation: 2)
Candice Bergen (Separation: 2)
Melanie Griffith (Separation: 2)
Peter Dobson (Separation: 2)
John Lahr (Separation: 2)
James Cagney (Separation: 2)
William Katt (Separation: 2)
Ann Magnuson (Separation: 2)
Kevin Kline (Separation: 2)
Martin Sheen (Separation: 2)

Marsha Mason (Separation: 2)
Antoine Chappey (Separation: 2)
Kevin Pollak (Separation: 2)
James Fox (Separation: 2)
Chris Penn (Separation: 2)
George Shane (Separation: 2)
Jeroen KrabbÃ (Separation: 2)
Patricia Wettig (Separation: 2)
Kurt Russell (Separation: 2)
Cher (Separation: 2)
Benjamin Bratt (Separation: 2)
Delphine French (Separation: 2)
Ed Begley Jr. (Separation: 2)
Gwyneth Paltrow (Separation: 2)
Michael Keaton (Separation: 2)
Guy Pearce (Separation: 2)
Greta Scacchi (Separation: 2)
Robin Wright Penn (Separation: 2)
Warren Beatty (Separation: 2)
Peggy Lipton (Separation: 2)
George Wendt (Separation: 2)
Lolita Davidovich (Separation: 2)
David Arquette (Separation: 2)
Jim Broadbent (Separation: 2)
John Heard (Separation: 2)
Dustin Hoffman (Separation: 2)
Charles Grodin (Separation: 2)
Michael Rapaport (Separation: 2)
Mary Crosby (Separation: 2)
Julianne Moore (Separation: 2)
Cameron Diaz (Separation: 2)
Judi Dench (Separation: 2)
Powers Boothe (Separation: 2)
Bebe Neuwirth (Separation: 2)
Beau Daniels (Separation: 2)
Julie Warner (Separation: 2)
Danny Aiello (Separation: 2)
Sarah Michelle Gellar (Separation: 2)
Amy Madigan (Separation: 2)
Robbie Coltrane (Separation: 2)
Bob Balaban (Separation: 2)
Lee Evans (Separation: 2)
Cleavant Derricks (Separation: 2)
Jack Palance (Separation: 2)

Maria Schell (Separation: 2)
John Randolph (Separation: 2)
Gemma Jones (Separation: 2)
Val Kilmer (Separation: 2)
Sigourney Weaver (Separation: 2)
Bette Midler (Separation: 2)
Chris Rock (Separation: 2)
Ron Rifkin (Separation: 2)
Ian Michael Smith (Separation: 2)
Lea Thompson (Separation: 2)
Will Smith (Separation: 2)
Cindy Crawford (Separation: 2)
Daniel Baldwin (Separation: 2)
Ernie Hudson (Separation: 2)
Robert Morley (Separation: 2)
Shelley Duvall (Separation: 2)
Tatum O'Neal (Separation: 2)
Ben Affleck (Separation: 2)
Assumpta Serna (Separation: 2)
Richard McCabe (Separation: 2)
Julie Kavner (Separation: 2)
Katherine Helmond (Separation: 2)
Kate Beckinsale (Separation: 2)
Barbara E. Robertson (Separation: 2)
Natasha Richardson (Separation: 2)
Campbell Scott (Separation: 2)
Jeremy London (Separation: 2)
Costas Mandylor (Separation: 2)
Ryan Phillippe (Separation: 2)
Adam Baldwin (Separation: 2)
Michael Murphy (Separation: 2)
Tom Courtenay (Separation: 2)
Steven Berkoff (Separation: 2)
Tyler Hoechlin (Separation: 2)
Johnny Depp (Separation: 2)
James Fleet (Separation: 2)
Scott Speedman (Separation: 2)
Frances Fisher (Separation: 2)
Keifer Sutherland (Separation: 2)
Kenneth McMillan (Separation: 2)
Gregory Hines (Separation: 2)
Andre Braugher (Separation: 2)
Cole Hauser (Separation: 2)
Kevin Spacey (Separation: 2)

Francis Capra (Separation: 2)
Kelly Preston (Separation: 2)
Stephen Dorff (Separation: 2)
Alice Krige (Separation: 2)
James Gandolfini (Separation: 2)
Kurtwood Smith (Separation: 2)
Diane Ladd (Separation: 2)
Elle Macpherson (Separation: 2)
Lena Olin (Separation: 2)
Mark Rydell (Separation: 2)
Robert Joy (Separation: 2)
Bruce Willis (Separation: 2)
Lucy Liu (Separation: 2)
Saul Rubinek (Separation: 2)
Maria Conchita Alonso (Separation: 2)
Elizabeth Lawrence (Separation: 2)
Richard Griffiths (Separation: 2)
Michael Rooker (Separation: 2)
Peter Weller (Separation: 2)
Virginia Madsen (Separation: 2)
Peter Sarsgaard (Separation: 2)
Jay Thomas (Separation: 2)
Randy Brooks (Separation: 2)
Dennis Christopher (Separation: 2)
Vanessa Redgrave (Separation: 2)
Sadie Frost (Separation: 2)
Shirley Knight (Separation: 2)
J.A. Preston (Separation: 2)
Debra Winger (Separation: 2)
Helen Hunt (Separation: 2)
Torben Brooks (Separation: 2)
Jane Fonda (Separation: 2)
Mike Nussbaum (Separation: 2)
Charlotte Rampling (Separation: 2)
Albert Finney (Separation: 2)
Mel Gibson (Separation: 2)
Steven Bauer (Separation: 2)
Jodie Foster (Separation: 2)
Max von Sydow (Separation: 2)
Roberta Maxwell (Separation: 2)
Alex Rocco (Separation: 2)
Debbie Harry (Separation: 2)
Michael O'Keefe (Separation: 2)
Billy Green Bush (Separation: 2)

Bruce Campbell (Separation: 2)
Corey Feldman (Separation: 2)
John Candy (Separation: 2)
Meg Tilly (Separation: 2)
James Naughton (Separation: 2)
Larenz Tate (Separation: 2)
George Segal (Separation: 2)
Bill Farmer (Separation: 2)
Gena Rowlands (Separation: 2)
Monica Potter (Separation: 2)
Harry Belafonte (Separation: 2)
Rachel Weisz (Separation: 2)
Paul Quandt (Separation: 2)
Sandra Bullock (Separation: 2)
Sloane Shelton (Separation: 2)
Sam Robards (Separation: 2)
Caroline Kava (Separation: 2)
Valeria Golino (Separation: 2)
Diane Lane (Separation: 2)
Max Pomeranc (Separation: 2)
Hoyt Axton (Separation: 2)
David Morse (Separation: 2)
Christina Pickles (Separation: 2)
Brian Haley (Separation: 2)
Ron Silver (Separation: 2)
Hilton McRae (Separation: 2)
Brooke McCarter (Separation: 2)
Fairuza Balk (Separation: 2)
Jill Bennett (Separation: 2)
Bob Gunton (Separation: 2)
Mary McDonnell (Separation: 2)
Mike Reynolds (Separation: 2)
Judd Nelson (Separation: 2)
Richard Council (Separation: 2)
Kayla Perlmutter (Separation: 2)
Peter Boyle (Separation: 2)
Charles Cioffi (Separation: 2)
Gail OGrady (Separation: 2)
Mike Myers (Separation: 2)
Cathy Tyson (Separation: 2)
Ian Hart (Separation: 2)
Dale (II) Reeves (Separation: 2)
Mike White (Separation: 2)
Marlon Brando (Separation: 2)

Robert Carlyle (Separation: 2)
Casper Van Dien (Separation: 2)
Al Harrington (Separation: 2)
Breckin Meyer (Separation: 2)
Steve Burton (Separation: 2)
Chad Lindberg (Separation: 2)
Kathy Baker (Separation: 2)
Mary Tamm (Separation: 2)
Bernie Mac (Separation: 2)
Michael Gambon (Separation: 2)
Chloe Webb (Separation: 2)
Eva Marie Saint (Separation: 2)
Kyle MacLachlan (Separation: 2)
David Boreanaz (Separation: 2)
Rae Dawn Chong (Separation: 2)
Sheryl Lee (Separation: 2)
Rodney A. Grant (Separation: 2)
Jack Nance (Separation: 2)
Charlotte Gainsbourg (Separation: 2)
D.W. Moffett (Separation: 2)
Rita Wilson (Separation: 2)
Maury Chaykin (Separation: 2)
Jenna Boyd (Separation: 2)
Dawn Didawick (Separation: 2)
Vin Diesel (Separation: 2)
Steven Waddington (Separation: 2)
Don Rickles (Separation: 2)
Jason Alexander (Separation: 2)
Greg Germann (Separation: 2)
Charles Durning (Separation: 2)
Julia Weldon (Separation: 2)
Colleen Dewhurst (Separation: 2)
Lance Guest (Separation: 2)
Alicia Silverstone (Separation: 2)
Charles Rocket (Separation: 2)
Cathy Moriarty (Separation: 2)
Roy Scheider (Separation: 2)
Wilford Brimley (Separation: 2)
Rupert Everett (Separation: 2)
Gregory Smith (Separation: 2)
Alexandra Paul (Separation: 2)
Burt Reynolds (Separation: 2)
Anthony Michael Hall (Separation: 2)
Kate Capshaw (Separation: 2)

Whitney Houston (Separation: 2)
Stockard Channing (Separation: 2)
Elizabeth Perkins (Separation: 2)
Chris Kattan (Separation: 2)
Brad Dourif (Separation: 2)
Sam Elliott (Separation: 2)
Chris O'Donnell (Separation: 2)
Michael Constantine (Separation: 2)
Enrique Castillo (Separation: 2)
Craig Sheffer (Separation: 2)
Margaret Whitton (Separation: 2)
David Bennent (Separation: 2)
Jerry Lewis (Separation: 2)
Norizzela Monterroso (Separation: 2)
Megan Ward (Separation: 2)
Barry Evans (Separation: 2)
Ric Young (Separation: 2)
Judge Reinhold (Separation: 2)
Suzy Amis (Separation: 2)
Andie MacDowell (Separation: 2)
Cheryl Pollak (Separation: 2)
George Clooney (Separation: 2)
Robin Tunney (Separation: 2)
Ben Kingsley (Separation: 2)
Timothy Olyphant (Separation: 2)
Bug Hall (Separation: 2)
Betty Buckley (Separation: 2)
Walter Matthau (Separation: 2)
Catherine O'Hara (Separation: 2)
Amanda Pays (Separation: 2)
Al Pacino (Separation: 2)
Pat Morita (Separation: 2)
Lou Diamond Phillips (Separation: 2)
Leonardo DiCaprio (Separation: 2)
Frank Senger (Separation: 2)
Kyle Secor (Separation: 2)
Jason Gedrick (Separation: 2)
Elizabeth Peña (Separation: 2)
Jennifer Lopez (Separation: 2)
Gaby Hoffmann (Separation: 2)
Shannen Doherty (Separation: 2)
John Turturro (Separation: 2)
Adrian Zmed (Separation: 2)
Jessica Steen (Separation: 2)

Jill Hennessy (Separation: 2)
Charles Hallahan (Separation: 2)
Andy (II) Anderson (Separation: 2)
Rachel Miner (Separation: 2)
Tim Matheson (Separation: 2)
Christopher Curry (Separation: 2)
Polly (II) Walker (Separation: 2)
Jim Carter (Separation: 2)
Giancarlo Esposito (Separation: 2)
Bubba Smith (Separation: 2)
Anthony Rapp (Separation: 2)
Rhys Ifans (Separation: 2)
Rolf Hoppe (Separation: 2)
Joaquin Phoenix (Separation: 2)
John Gielgud (Separation: 2)
Joe Morton (Separation: 2)
Vincent DOnofrio (Separation: 2)
Julia Stiles (Separation: 2)
Regina Hall (Separation: 2)
Rene Auberjonois (Separation: 2)
Jackie Gleason (Separation: 2)
Shawn Hatosy (Separation: 2)
Geneviève Bujold (Separation: 2)
James Gammon (Separation: 2)
James Eckhouse (Separation: 2)
Cate Blanchett (Separation: 2)
Jeremy Irons (Separation: 2)
Vince Vaughn (Separation: 2)
Pierce Brosnan (Separation: 2)
Drew Barrymore (Separation: 2)
Sam Waterston (Separation: 2)
Diahnne Abbott (Separation: 2)
Deborah Rush (Separation: 2)
Anne Heche (Separation: 2)
Connie Nielsen (Separation: 2)
Judy Geeson (Separation: 2)
Tim Allen (Separation: 2)
Don Johnson (Separation: 2)
Ice Cube (Separation: 2)
Alan Cumming (Separation: 2)
Robert Costanzo (Separation: 2)
Danny Glover (Separation: 2)
Annabella Sciorra (Separation: 2)
Michael Piccoli (Separation: 2)

Bonnie Hunt (Separation: 2)
Hugh Bonneville (Separation: 2)
Phyllis Boyens (Separation: 2)
Mickey Rooney (Separation: 2)
Daryl Hannah (Separation: 2)
Jean-Claude Van Damme (Separation: 2)
James LeGros (Separation: 2)
Roseanne (Separation: 2)
Tom Arnold (Separation: 2)
Robin Williams (Separation: 2)
Paulina Porizkova (Separation: 2)
Holly Hunter (Separation: 2)
Olga SÃkulić (Separation: 2)
Niketa Calame (Separation: 2)
Christina Applegate (Separation: 2)
Peter MacNicol (Separation: 2)
Dennis Rodman (Separation: 2)
Jackie Earle Haley (Separation: 2)
Ted Danson (Separation: 2)
Andrew Divoff (Separation: 2)
Jack Lemmon (Separation: 2)
Jason Beghe (Separation: 2)
Colleen Camp (Separation: 2)
Lisa Banes (Separation: 2)
Johanna ter Steege (Separation: 2)
Otis Young (Separation: 2)
Richard Ingram (Separation: 2)
JÃrgen Prochnow (Separation: 2)
Charlie Sheen (Separation: 2)
Greg Kinnear (Separation: 2)
Sophie Marceau (Separation: 2)
Isabella Rossellini (Separation: 2)
Sam Neill (Separation: 2)
Gina Gershon (Separation: 2)
Edward Saxon (Separation: 2)
Drake Cook (Separation: 2)
Denzel Washington (Separation: 2)
Norman Reedus (Separation: 2)
Danny Lloyd (Separation: 2)
Claire Forlani (Separation: 2)
Anjelica Huston (Separation: 2)
Paul Dooley (Separation: 2)
Milla Jovovich (Separation: 2)
Diana Rigg (Separation: 2)

Luther Adler (Separation: 2)
Kevin Anderson (Separation: 2)
Arless Howard (Separation: 2)
Bryan Brown (Separation: 2)
Maria Bello (Separation: 2)
Scott Bairstow (Separation: 2)
Heather Graham (Separation: 2)
Lillo Brancato (Separation: 2)
James Belushi (Separation: 2)
Don McKellar (Separation: 2)
Matthew Broderick (Separation: 2)
Carrie-Ann Moss (Separation: 2)
Martha Gehman (Separation: 2)
Victor Slezak (Separation: 2)
Denholm Elliott (Separation: 2)
Peter Jurasik (Separation: 2)
John Corbett (Separation: 2)
Warren Oates (Separation: 2)
Kathleen Turner (Separation: 2)
Jon Bon Jovi (Separation: 2)
Sheila Kelley (Separation: 2)
Robert Vaughn (Separation: 2)
Gary Beach (Separation: 2)
Peter Coyote (Separation: 2)
Victor Love (Separation: 2)
Russell Crowe (Separation: 2)
Scott Wilson (Separation: 2)
William Hickey (Separation: 2)
Hal Holbrook (Separation: 2)
Gene Hackman (Separation: 2)
Paul Newman (Separation: 2)
Donald Sutherland (Separation: 2)
John Travolta (Separation: 2)
Georgie Cranford (Separation: 2)
John Fiedler (Separation: 2)
Sherilyn Fenn (Separation: 2)
Edward Kerr (Separation: 2)
Aidan Quinn (Separation: 2)
Dennis Franz (Separation: 2)
David (II) Cross (Separation: 2)
Kari Wuhrer (Separation: 2)
Matt Craven (Separation: 2)
Michael Richards (Separation: 2)
Julia Anne Robinson (Separation: 2)

Rowena Cooper (Separation: 2)
Sandra Bernhard (Separation: 2)
Kevin Corrigan (Separation: 2)
Levon Helm (Separation: 2)
TchÃ~ky Karyo (Separation: 2)
Deborah Harry (Separation: 2)
Ashley Judd (Separation: 2)
Kevin Dillon (Separation: 2)
Rufus Sewell (Separation: 2)
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Matthew Perry (Separation: 2)
Jena Malone (Separation: 2)
Frances McDormand (Separation: 2)
Peter Fonda (Separation: 2)
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Sharon Stone (Separation: 2)
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Natascha McElhone (Separation: 2)
Ed Harris (Separation: 2)
Keith Coogan (Separation: 2)
Jim Carrey (Separation: 2)
Stanley Tucci (Separation: 2)
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Michael Berryman (Separation: 2)
Julian Sands (Separation: 2)
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Bruce Jones (Separation: 2)
Lorraine Gary (Separation: 2)
Goldie Hawn (Separation: 2)
Peter Frechette (Separation: 2)
Chelsea Field (Separation: 2)
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Vincent Gardenia (Separation: 2)
Dawn McMillan (Separation: 2)
Stephen Dillane (Separation: 2)
Anna Faris (Separation: 2)
Blythe Danner (Separation: 2)
George Cole (Separation: 2)
Frank Vincent (Separation: 2)
Ralph Bellamy (Separation: 2)
Ken Magee (Separation: 2)
Eli Wallach (Separation: 2)
Angela Bassett (Separation: 2)
Michael Forest (Separation: 2)

John Goodman (Separation: 2)
Vincent Gallo (Separation: 2)
Robert Glaudini (Separation: 2)
Richard Gilliland (Separation: 2)
Nicole Kidman (Separation: 2)
Ajay Naidu (Separation: 2)
Tom Berenger (Separation: 2)
Anthony Edwards (Separation: 2)
Tom Everett Scott (Separation: 2)
Tracy Pollan (Separation: 2)
Faye Dunaway (Separation: 2)
Cybill Shepherd (Separation: 2)
Skeet Ulrich (Separation: 2)
Tim Conway (Separation: 2)
Matthew McConaughey (Separation: 2)
Lena Cardwell (Separation: 2)
Tom Bell (Separation: 2)
Wil Wheaton (Separation: 2)
Dennis Hopper (Separation: 2)
Mona Powell (Separation: 2)
Pam Grier (Separation: 2)
Ken Fording (Separation: 2)
Liz Fraser (Separation: 2)
Seymour Cassel (Separation: 2)
Colin Friels (Separation: 2)
Anthony John Denison (Separation: 2)
T.J. Lowther (Separation: 2)
Richard Masur (Separation: 2)
Geraldine Page (Separation: 2)
Michael Tucker (Separation: 2)
David Brisbin (Separation: 2)
William Sadler (Separation: 2)
Harrison Ford (Separation: 2)
Dierdre Lewis (Separation: 2)
Carrie Fisher (Separation: 2)
Dan Futterman (Separation: 2)
Carla Gugino (Separation: 2)
Minnie Driver (Separation: 2)
John Leguizamo (Separation: 2)
Ruth Nelson (Separation: 2)
Lawrence Pressman (Separation: 2)
Lisa Kudrow (Separation: 2)
Hank Azaria (Separation: 2)
Michael Madsen (Separation: 2)

William Atherton (Separation: 2)
Keanu Reeves (Separation: 2)
Anthony Ruivivar (Separation: 2)
Don Harvey (Separation: 2)
Fran Drescher (Separation: 2)
Russell Means (Separation: 2)
Madonna (Separation: 2)
Greta Lind (Separation: 2)
Dennis Farina (Separation: 2)
Joe Viterelli (Separation: 2)
Christopher Reeve (Separation: 2)
Charles Martin Smith (Separation: 2)
Hugh Laurie (Separation: 2)
Candy Clark (Separation: 2)
Susan Sarandon (Separation: 2)
John Cazale (Separation: 2)
Tracey Ullman (Separation: 2)
Mark Harmon (Separation: 2)
Karen Black (Separation: 2)
Brandy Norwood (Separation: 2)
Andy Garcia (Separation: 2)
Ken Sansom (Separation: 2)
Chris Isaak (Separation: 2)
C. Thomas Howell (Separation: 2)
Brian Benben (Separation: 2)
Mary-Louise Parker (Separation: 2)
Lilia Skala (Separation: 2)
Eliza Dushku (Separation: 2)
John Terry (Separation: 2)
Ron Livingston (Separation: 2)
Brad Pitt (Separation: 2)
Sylvia Kuumba Williams (Separation: 2)
Edward Norton (Separation: 2)
Annette Bening (Separation: 2)
Jane Kaczmarek (Separation: 2)
Eugene Levy (Separation: 2)
Steve Harris (Separation: 2)
Benjamin Weir (Separation: 2)
Jason Isaacs (Separation: 2)
John Enos III (Separation: 2)
R.D. Call (Separation: 2)
Patrick Stewart (Separation: 2)
Adrien Brody (Separation: 2)
Cecilia PÃ[^]rez-Cervera (Separation: 2)

Dennis Quaid (Separation: 2)
Valeri Nikolayev (Separation: 2)
Elijah Wood (Separation: 2)
Bill Cobbs (Separation: 2)
Bruce Ramsay (Separation: 2)
Keith Carradine (Separation: 2)
Stellan Skarsgård (Separation: 2)
Philip Seymour Hoffman (Separation: 2)
Lily Tomlin (Separation: 2)
John Stockwell (Separation: 2)
Rachael Leigh Cook (Separation: 2)
Hector Elizondo (Separation: 2)
Anne Bancroft (Separation: 2)
Laura Dern (Separation: 2)
Renée Zellweger (Separation: 2)
Rob Morrow (Separation: 2)
Marisa Tomei (Separation: 2)
Halle Berry (Separation: 2)
Veronica Cartwright (Separation: 2)
Maia Brewton (Separation: 2)
Joanna Cassidy (Separation: 2)
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Melina Mercouri (Separation: 2)
Armand Assante (Separation: 2)
James Woods (Separation: 2)
Jet Li (Separation: 2)
David Hyde Pierce (Separation: 2)
Maggie Smith (Separation: 2)
Miranda Richardson (Separation: 2)
Barnard Hughes (Separation: 2)
Natalie Imbruglia (Separation: 2)
Rick Ducommun (Separation: 2)
Mary-Kate Olsen (Separation: 2)
Alan Arkin (Separation: 2)
Billy Crystal (Separation: 2)
Sissy Spacek (Separation: 2)
Chevy Chase (Separation: 2)
Juliette Lewis (Separation: 2)
Conrad Goode (Separation: 2)
Todd Graff (Separation: 2)
Mia Farrow (Separation: 2)
Robert Duvall (Separation: 2)
Alfred Molina (Separation: 2)
David (IV) Williamson (Separation: 2)

Clu Gulager (Separation: 2)
Pauly Shore (Separation: 2)
Danny Nussbaum (Separation: 2)
CarrÃ© Otis (Separation: 2)
GÃ©rard Depardieu (Separation: 2)
Liv Tyler (Separation: 2)
Sylvester Stallone (Separation: 2)
William H. Macy (Separation: 2)
Shelley Long (Separation: 2)
Joely Richardson (Separation: 2)
J.K. Simmons (Separation: 2)
Roger E. Mosley (Separation: 2)
Tom Skerritt (Separation: 2)
Elaine Cassidy (Separation: 2)
Annie Corley (Separation: 2)
Christopher Lloyd (Separation: 2)
Emily Lloyd (Separation: 2)
Delroy Lindo (Separation: 2)
John Carroll Lynch (Separation: 2)
John P. Navin Jr. (Separation: 2)
Ralph Macchio (Separation: 2)
Catherine Deneuve (Separation: 2)
Cynthia Stevenson (Separation: 2)
Glenn Close (Separation: 2)
Jeanne Tripplehorn (Separation: 2)
James Coburn (Separation: 2)
Rebecca De Mornay (Separation: 2)
Marcus Gilbert (Separation: 2)
Jane March (Separation: 2)
Whoopi Goldberg (Separation: 2)
Chi McBride (Separation: 2)
James Marsden (Separation: 2)
Jay O. Sanders (Separation: 2)
Lara Flynn Boyle (Separation: 2)
Jacqueline Bisset (Separation: 2)
Miko Hughes (Separation: 2)
Michael Caine (Separation: 2)
Chaim Girafi (Separation: 2)
Haley Joel Osment (Separation: 2)
Kelly Lynch (Separation: 2)
Graham (II) Greene (Separation: 2)
G.W. Bailey (Separation: 2)
Richard Attenborough (Separation: 2)
Sean Bean (Separation: 2)

Henry Dinhofer (Separation: 2)
Cliff Robertson (Separation: 2)
Jay Brazeau (Separation: 2)
Joan Allen (Separation: 2)
Ed Gale (Separation: 2)
Eve Lilith (Separation: 2)
Yaphet Kotto (Separation: 2)
Courteney Cox (Separation: 2)
Oliver Platt (Separation: 2)
Naomi Watts (Separation: 2)
Lori Petty (Separation: 2)
Brendan Fraser (Separation: 2)
Franklyn Seales (Separation: 2)
Phoebe Cates (Separation: 2)
Ming-Na (Separation: 2)
Lisanne Falk (Separation: 2)
Steven Weber (Separation: 2)
Brad Hunt (Separation: 2)
Jonathan Pryce (Separation: 2)
Paul Giamatti (Separation: 2)
Joanne Walley (Separation: 2)
Bijou Phillips (Separation: 2)
Richard (II) Lewis (Separation: 2)
Ashley Olsen (Separation: 2)
Howie Mandel (Separation: 2)
Steve Holladay (Separation: 2)
Avery Brooks (Separation: 2)
Edward Burns (Separation: 2)
Aeryk Egan (Separation: 2)
Penelope Ann Miller (Separation: 2)
Robert Rusler (Separation: 2)
Martin Lawrence (Separation: 2)
Ben Stiller (Separation: 2)
Moses Gunn (Separation: 2)
Patricia Clarkson (Separation: 2)
Joong-Hoon Park (Separation: 2)
Steve Buscemi (Separation: 2)
Jack Warden (Separation: 2)
James Franco (Separation: 2)
Max Perlich (Separation: 2)
Ben Miller (Separation: 2)
Brawley Nolte (Separation: 2)
Jeff Bridges (Separation: 2)
Wolfgang Bodison (Separation: 2)

Desmond Harrington (Separation: 2)
Andrew McCarthy (Separation: 2)
Regina King (Separation: 2)
Rosario Dawson (Separation: 2)
Angela Jones (Separation: 2)
Rhea Perlman (Separation: 2)
Jenny Wright (Separation: 2)
Richard Crenna (Separation: 2)
Andy Romano (Separation: 2)
Kim Basinger (Separation: 2)
Christina Ricci (Separation: 2)
Ray Wise (Separation: 2)
Hugh Grant (Separation: 2)
Carrie-Anne Moss (Separation: 2)
Sally Field (Separation: 2)
Rachel Ticotin (Separation: 2)
Jason Marsden (Separation: 2)
Dwight Yoakam (Separation: 2)
Giancarlo Giannini (Separation: 2)
Kelsey Grammer (Separation: 2)
Ian McKellen (Separation: 2)
Kyme (Separation: 2)
Vera Farmiga (Separation: 2)
Maggie Gyllenhaal (Separation: 2)
Carroll Baker (Separation: 2)
Catherine Zeta-Jones (Separation: 2)
Michael V. Gazzo (Separation: 2)
Richard T. Jones (Separation: 2)
Don Ameche (Separation: 2)
John Belushi (Separation: 2)
Bryan Marshall (Separation: 2)
Cylk Cozart (Separation: 2)
Michael Biehn (Separation: 2)
Pamela Segall (Separation: 2)
Tim Roth (Separation: 2)
Hugh Jackman (Separation: 2)
James Mason (Separation: 2)
Lexi Randall (Separation: 2)
Ed O'Neill (Separation: 2)
Jeffrey Jones (Separation: 2)
Edward Herrmann (Separation: 2)
Gabriel Byrne (Separation: 2)
Tony Roberts (Separation: 2)
Hope Davis (Separation: 2)

Nancy Travis (Separation: 2)
James Bolam (Separation: 2)
Ray Walston (Separation: 2)
Salma Hayek (Separation: 2)
Jonathan Penner (Separation: 2)
Tom Hulce (Separation: 2)
Helen Mirren (Separation: 2)
Olivia dAbo (Separation: 2)
Joanne Woodward (Separation: 2)
Sean Young (Separation: 2)
Nancy Allen (Separation: 2)
Dave King (Separation: 2)
Robert Downey Jr. (Separation: 2)
James Garner (Separation: 2)
Dina Meyer (Separation: 2)
Annabeth Gish (Separation: 2)
Alexander Godunov (Separation: 2)
Bruce Davison (Separation: 2)
Henry Czerny (Separation: 2)
Helen Shaver (Separation: 2)
Robert Romanus (Separation: 2)
Samantha Mathis (Separation: 2)
Reginald VelJohnson (Separation: 2)
Cuba Gooding Jr. (Separation: 2)
Reese Witherspoon (Separation: 2)
Viggo Mortensen (Separation: 2)
Michael J. Fox (Separation: 2)
Cary Elwes (Separation: 2)
Jon Lovitz (Separation: 2)
Adrian Pasdar (Separation: 2)
Bryan Larkin (Separation: 2)
Ving Rhames (Separation: 2)
Keith Stuart Thayer (Separation: 2)
Pamela Reed (Separation: 2)
George Burns (Separation: 2)
Robert Davi (Separation: 2)
Fisher Stevens (Separation: 2)
Barbara Hershey (Separation: 2)
David Hayman (Separation: 2)
Michael Angarano (Separation: 2)
Clifton James (Separation: 2)
Catherine McCormack (Separation: 2)
Martin Short (Separation: 2)
Jonathan Taylor Thomas (Separation: 2)

Erika Eleniak (Separation: 2)
Raymond J. Barry (Separation: 2)
Rosie Perez (Separation: 2)
Maureen Stapleton (Separation: 2)
Mike McGlone (Separation: 2)
Michael Douglas (Separation: 2)
Bruno Kirby (Separation: 2)
Kenneth Branagh (Separation: 2)
Lloyd Bridges (Separation: 2)
Ric Roman Waugh (Separation: 2)
Dermot Mulroney (Separation: 2)
David Warner (Separation: 2)
James Spader (Separation: 2)
Marley Shelton (Separation: 2)
Robert (II) Lindsay (Separation: 2)
Seth Green (Separation: 2)
Paul Austin (Separation: 2)
Ann-Margret (Separation: 2)
Dakota Fanning (Separation: 2)
Christopher Bauer (Separation: 2)
Willem Dafoe (Separation: 2)
Udo Kier (Separation: 2)
Jeff Cohen (Separation: 2)
Rowan Atkinson (Separation: 2)
Kamala Lopez-Dawson (Separation: 2)
Scott Glenn (Separation: 2)
Harold Perrineau Jr. (Separation: 2)
James Caviezel (Separation: 2)
Patrick Fugit (Separation: 2)
Richard Grieco (Separation: 2)
Perry Lopez (Separation: 2)
Harry Connick Jr. (Separation: 2)
Martha Plimpton (Separation: 2)
Livio Badurina (Separation: 2)
Tim Curry (Separation: 2)
Jennifer Connelly (Separation: 2)
David Hoflin (Separation: 2)
Jeremy Sisto (Separation: 2)
Gene Wolande (Separation: 2)
Thandie Newton (Separation: 2)
Michael Lerner (Separation: 2)
Charles Dance (Separation: 2)
Brendan Gleeson (Separation: 2)
Robert Stack (Separation: 2)

John Ashton (Separation: 2)
Ned Bellamy (Separation: 2)
Kevin McCarthy (Separation: 2)
Terry Jones (Separation: 2)
Tom Sizemore (Separation: 2)
Nathaniel Parker (Separation: 2)
Stephen Lang (Separation: 2)
Kyra Sedgwick (Separation: 2)
Jean Reno (Separation: 2)
George Grizzard (Separation: 2)
Chuck Bush (Separation: 2)
Asha Menina (Separation: 2)
Curtis Armstrong (Separation: 2)
Rub n Blades (Separation: 2)
Bill Pullman (Separation: 2)
Peter Ustinov (Separation: 2)
Bruce McGill (Separation: 2)
Christopher Walken (Separation: 2)
Nick Nolte (Separation: 2)
Carol Kane (Separation: 2)
Anthony LaPaglia (Separation: 2)
Liev Schreiber (Separation: 2)
Michelle Pfeiffer (Separation: 2)
David Margulies (Separation: 2)
Vanessa L. Williams (Separation: 2)
Arnold Vosloo (Separation: 2)
Cheech Marin (Separation: 2)
Brent Briscoe (Separation: 2)
Will Patton (Separation: 2)
Jon Tenney (Separation: 2)
Wallace Shawn (Separation: 2)
Julian Fellowes (Separation: 2)
George C. Scott (Separation: 2)
Kathy Bates (Separation: 2)
Nicolas Cage (Separation: 2)
Rita Karin (Separation: 2)
Richard Pryor (Separation: 2)
John Colicos (Separation: 2)
Paul Freeman (Separation: 2)
Kellie Martin (Separation: 2)
Wendy Crewson (Separation: 2)
William Hurt (Separation: 2)
Valerie Perrine (Separation: 2)
Ally Sheedy (Separation: 2)

Tom Selleck (Separation: 2)
Neal McDonough (Separation: 2)
Ilan Mitchell-Smith (Separation: 2)
Emile Hirsch (Separation: 2)
Trey Wilson (Separation: 2)
Matthew OLeary (Separation: 2)
Isabelle Huppert (Separation: 2)
David Forrester (Separation: 2)
Sting (Separation: 2)
Blair Underwood (Separation: 2)
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Alan Rickman (Separation: 2)
Tisha Campbell (Separation: 2)
Forest Whitaker (Separation: 2)
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Bruce Greenwood (Separation: 2)
Bill McKinney (Separation: 2)
Jill Sobule (Separation: 2)
Malcolm McDowell (Separation: 2)
Dylan McDermott (Separation: 2)
Corey Haim (Separation: 2)
Madeleine Stowe (Separation: 2)
Ben Masters (Separation: 2)
Patrick Breen (Separation: 2)
Scott Coffey (Separation: 2)
Matthew Edison (Separation: 2)
Rade Serbedzija (Separation: 2)
Richard Gere (Separation: 2)
Portia de Rossi (Separation: 2)
Alessandro Nivola (Separation: 2)
Mykelti Williamson (Separation: 2)
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Pedro Dami n (Separation: 2)
Rob Lowe (Separation: 2)
Wesley Snipes (Separation: 2)
Michael Winslow (Separation: 2)
David Graf (Separation: 2)
Woody Harrelson (Separation: 2)
Mary Elizabeth Mastrantonio (Separation: 2)
Susan Barnes (Separation: 2)
Clea DuVall (Separation: 2)
Kate Hudson (Separation: 2)
Ted Levine (Separation: 2)
Paul Reiser (Separation: 2)

Jon Favreau (Separation: 2)
Emilio Estevez (Separation: 2)
Sam Rockwell (Separation: 2)
Austin Pendleton (Separation: 2)
Janine Turner (Separation: 2)
Maria Cardinale (Separation: 2)
Lois Nettleton (Separation: 2)
Emily Morgan (Separation: 2)
Kirstie Alley (Separation: 2)
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Patrick Swayze (Separation: 2)
Harley Jane Kozak (Separation: 2)
Lauren Holly (Separation: 2)
Mary Jo Smith (Separation: 2)
Benicio Del Toro (Separation: 2)
Michael Clarke Duncan (Separation: 2)
Maxine Bahns (Separation: 2)
Thomas Gibson (Separation: 2)
Shiloh Strong (Separation: 2)
Alfre Woodard (Separation: 2)
Radha Micthell (Separation: 2)
Edward Furlong (Separation: 2)
William Fichtner (Separation: 2)
Mary Steenburgen (Separation: 2)
Adam Hann-Byrd (Separation: 2)
Victoria Abril (Separation: 2)
Eddie Griffin (Separation: 2)
Ray Liotta (Separation: 2)
Nigel Havers (Separation: 2)
Sheila Reid (Separation: 2)
Jason Robards (Separation: 2)
Joseph Bottoms (Separation: 2)
Eddie Murphy (Separation: 2)
Paul Shenar (Separation: 2)
Leslie Hope (Separation: 2)
Craig T. Nelson (Separation: 2)
Dan Aykroyd (Separation: 2)
Patrick Bergin (Separation: 2)
Glenne Headly (Separation: 2)
John C. Reilly (Separation: 2)
Robert Michael Kelly (Separation: 2)
Damon Wayans (Separation: 2)
Eric Schweig (Separation: 2)
Joe Pantoliano (Separation: 2)

Ellen Burstyn (Separation: 2)
Fred Savage (Separation: 2)
Seth Mumy (Separation: 2)
Sarah Polley (Separation: 2)
Timothy Daly (Separation: 2)
George Dzundza (Separation: 2)
Matt Damon (Separation: 2)
Tony Shalhoub (Separation: 2)
J.J. Johnston (Separation: 2)
Robby Benson (Separation: 2)
Maria Pitillo (Separation: 2)
Alan Toy (Separation: 2)
Jon Voight (Separation: 2)
Richard E. Grant (Separation: 2)
Joan Cusack (Separation: 2)
Harvey Keitel (Separation: 2)
Denis Leary (Separation: 2)
Casey Siemaszko (Separation: 2)
Emily Warfield (Separation: 2)
Liane Balaban (Separation: 2)
James Rebhorn (Separation: 2)
Louise Fletcher (Separation: 2)
Barry Miller (Separation: 2)
Kathleen Quinlan (Separation: 2)
Gary Kemp (Separation: 2)
Kirsten Dunst (Separation: 2)
Lee Garlington (Separation: 2)
Mark Wahlberg (Separation: 2)
Lindsay Crouse (Separation: 2)
Richard Dreyfuss (Separation: 2)
Jon Cryer (Separation: 2)
Anne Parillaud (Separation: 2)
Melinda Dillon (Separation: 2)
Frances Barber (Separation: 2)
Mary Beth Hurt (Separation: 2)
Ronny Cox (Separation: 2)
Eartha Kitt (Separation: 2)
Philip Baker Hall (Separation: 2)
Robert Redford (Separation: 2)
Michael Moriarty (Separation: 2)
Vanessa Martinez (Separation: 2)
Parker Posey (Separation: 2)
Billy Burke (Separation: 2)
Sean Connery (Separation: 2)

Aunjanue Ellis (Separation: 2)
Morris Chestnut (Separation: 2)
Steven Culp (Separation: 2)
Jim Varney (Separation: 2)
Elias Koteas (Separation: 2)
Paul Rudd (Separation: 2)
Fannie Flagg (Separation: 2)
Joshua Rudoy (Separation: 2)
Art Garfunkel (Separation: 2)
Corinne Bohrer (Separation: 2)
Luca Bercovici (Separation: 2)
Jonah Blechman (Separation: 2)
M.C. Gainey (Separation: 2)
Patricia Arquette (Separation: 2)
Gerald R. Molen (Separation: 2)
Eric Roberts (Separation: 2)
Jake Busey (Separation: 2)
Robert Knepper (Separation: 2)
David Herman (Separation: 2)
Scatman Crothers (Separation: 2)
James Purefoy (Separation: 2)
David Caruso (Separation: 2)
Annette Badland (Separation: 2)
Leland Orser (Separation: 2)
Kim Cattrall (Separation: 2)
Rob Maxey (Separation: 2)
Lucinda Jenney (Separation: 2)
Joe Pesci (Separation: 2)
Theresa Russell (Separation: 2)
Tim Thomerson (Separation: 2)
Sela Ward (Separation: 2)
Piper Cochrane (Separation: 2)
Nina Siemaszko (Separation: 2)
Julianna Margulies (Separation: 2)
Teri Polo (Separation: 2)
Ross Malinger (Separation: 2)
Jan Rubes (Separation: 2)
Robert Wuhl (Separation: 2)
Swoosie Kurtz (Separation: 2)
Lou Jacobi (Separation: 2)
Brenda Fricker (Separation: 2)
Lisa Joliffe-Andoh (Separation: 2)
Mara Wilson (Separation: 2)
John Lone (Separation: 2)

Macaulay Culkin (Separation: 2)
David Marshall Grant (Separation: 2)
Geena Davis (Separation: 2)
Ewan McGregor (Separation: 2)
Chris Cooper (Separation: 2)
Clint Eastwood (Separation: 2)
Cloris Leachman (Separation: 2)
Kristy McNichol (Separation: 2)
Lois Chiles (Separation: 2)
Ned Beatty (Separation: 2)
Jackie Sawiris (Separation: 2)
Chris Makepeace (Separation: 2)
Ray Godshall Sr. (Separation: 2)
Rudi Davies (Separation: 2)
Will (II) Mahoney (Separation: 2)
Billy Bob Thornton (Separation: 2)
Lyle Lovett (Separation: 2)
Karen Allen (Separation: 2)
Ben Chaplin (Separation: 2)
Lenore Banks (Separation: 2)
Jeffrey Dean Morgan (Separation: 2)
Robert Prosky (Separation: 2)
Vincent Laresca (Separation: 2)
Sissy Boyd (Separation: 2)
Jason Flemyng (Separation: 2)
Nikita Hopkins (Separation: 2)
Robert Loggia (Separation: 2)
Jessica Lange (Separation: 2)
Michael Schoeffling (Separation: 2)
Arnold Schwarzenegger (Separation: 2)
David Andrews (Separation: 2)
Anthony Perkins (Separation: 2)
Jeff Daniels (Separation: 2)
Dan Hedaya (Separation: 2)
Lisa Bonet (Separation: 2)
Diane Keaton (Separation: 2)

Kevin Bacon game > u Emma Coles
Emma Coles is now the center of the acting universe.

Kevin Bacon game > i
Emma Coles is connected to 7493 actors.
Average separation: 6.173361804350727

Kevin Bacon game > u Dana Kimmell
Dana Kimmell is now the center of the acting universe.

Kevin Bacon game > i
Dana Kimmell is connected to 3 actors.
Average separation: 1.0

Kevin Bacon game > p Nick Savage
Nick Savage's number is 1
Dana Kimmell appeared in [Friday the 13th Part 3: 3D (1982)] with Nick Savage

Kevin Bacon game > p Kevin Bacon
Kevin Bacon is not connected to Dana Kimmell

Kevin Bacon game > p Sage Stallone
Sage Stallone is not connected to Dana Kimmell

Kevin Bacon game > u Sage Stallone
Sage Stallone is now the center of the acting universe.

Kevin Bacon game > i
Sage Stallone is connected to 7493 actors.
Average separation: 4.275056719604964

Kevin Bacon game > p Kevin Bacon
Kevin Bacon's number is 3
Sage Stallone appeared in [Rocky V (1990)] with Burt Young
Burt Young appeared in [Last Exit to Brooklyn (1989)] with Jennifer Jason Leigh
Jennifer Jason Leigh appeared in [In the Cut (2003), Big Picture, The (1989)] with Kevin Bacon

Kevin Bacon game > c 2
Computing best centers... This may take a while.
Top 2 best centers of the universe:
Julie Bishop (Avg separation: 1.0)
Vicki Frederick (Avg separation: 1.0)

Kevin Bacon game > o
Unknown command. Enter 'h' to see available commands.

Kevin Bacon game > h
Commands:
p <name> - find shortest path from <name> to current center
u <name> - change center of the universe
d <low> <high> - list actors with co-stars between <low> and <high>

s <low> <high> - list actors sorted by separation from center
c <n> - find the top <n> best 'centers of the universe'
i - show number of connected actors & average separation
q - quit

Kevin Bacon game > q
Goodbye!