

# Исследование закономерностей, определяющих успешность игр

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Интернет-магазин «Стримчик» продаёт по всему миру компьютерные игры. Из открытых источников доступны исторические данные о продажах игр (в годы выпуска), оценки пользователей и экспертов, жанры и платформы (например, Xbox или PlayStation).

Требуется выявить определяющие успешность игры закономерности. Это позволит сделать ставку на потенциально популярный продукт и спланировать рекламные кампании для различных платформ.

Имеются данные до 2016 года. В предположении, что сейчас декабрь 2016 г., планируется кампания на 2017-й (основная цель - отработка принципов работы с данными).

В наборе данных попадает аббревиатура *ESRB* (*Entertainment Software Rating Board*) — это ассоциация, определяющая возрастной рейтинг компьютерных игр. ESRB оценивает игровой контент и присваивает ему подходящую возрастную категорию, например, «Для взрослых», «Для детей младшего возраста» или «Для подростков».

### В ходе исследования предполагается:

- изучить данные;
- подготовить данные к анализу;
- провести исследовательский анализ данных;
- составить типичный портрет пользователя каждого региона;
- проверить статистические гипотезы:
  - средние пользовательские рейтинги платформ Xbox One и PC - одинаковые
  - средние пользовательские рейтинги жанров Action и Sports - разные

**Данные хранятся в файле:** /datasets/games.csv

**Примечание:** данные за 2016 год могут быть неполными.

## Определение функций проекта

### Импорт библиотек

```
In [1]: import pandas as pd
import numpy as np
import math as mt
import matplotlib.pyplot as plt
from scipy import stats as st
import seaborn as sns
```

### Функции обзора данных

```
In [2]: # определение функции обзора данных
# =====
# на вход подаётся датафрейм df
# на выходе:
#   - 10 случайных строк df
#   - информация df.info()
#   - количество явных дубликатов в строках df
#   - процент пропусков данных в столбцах df
def data_observe(df):
    row_num = 5 # количество отображаемых строк таблицы

    print('Произвольные строки таблицы:')
    print('=====')
    if len(df) >= row_num:
        display(df.sample(row_num))
    else:
        display(df)

    print('\nИнформация о таблице:')
    print('=====')
    df.info()

    print('\nКоличество явных дубликатов в таблице:')
    print('=====')
    print(df.duplicated().sum())

    print('\nПроцент пропусков в столбцах:')
    print('=====')
    display(pd.DataFrame(
        round((df.isna().mean()*100),2), columns=['NaNs, %'])
        .sort_values(by='NaNs, %', ascending=False)
        .style.format('{:.2f}')
        .background_gradient('coolwarm')
    ))
```

```
In [3]: # определение функции открытия файла
# =====
# на вход подаётся:
#   file_name - имя файла
# на выходе - датафрейм с загруженными данными
def open_file(file_name):
    try:
        df = pd.read_csv('/datasets/' + file_name)
    except:
        df = pd.read_csv(file_name)

    return df
```

## Функции предобработки данных

```
In [4]: # определение функции вывода уникальных значений
# набора столбцов датафрейма
# =====
# на вход подаётся:
#   df - датафрейм
#   columns - список столбцов
# функция выводит списки уникальных значений для
# каждого столбца из columns
def show_unique_values(df, columns):
    for col in columns:
        print(f'Уникальные значения столбца {col}:\n',
              df[col].sort_values().unique(), '\n')
```

## Функции построения графиков и диаграмм

```
In [5]: # определение функции построения линейного графика
# =====
def build_line_plot(df, x_col, y_col, hue=None, title=None, x_label=None,
                   y_label=None, ax=None, figsize=(10, 10)):
    ax = ax
    if ax == None:
        fig, ax = plt.subplots(figsize=figsize)

    sns.lineplot(data=df, x=x_col, y=y_col, hue=hue, ax=ax)
    plt.grid(True)
    if title != None:
        plt.title(title)
    if x_label != None:
        plt.xlabel(x_label)
    if y_label != None:
        plt.ylabel(y_label)
    plt.show()
```

```
In [6]: # определение функции построения диаграммы размаха
# =====
def build_box_plot(df, x_col, y_col, title=None, x_label=None, y_label=None,
                  y_lim=None, ax=None, figsize=(15, 10)):
    ax = ax
    if ax == None:
        fig, ax = plt.subplots(figsize=figsize)

    sns.boxplot(x=x_col, y=y_col, data=df)
    plt.grid(True)
    if title != None:
        plt.title(title)
    if x_label != None:
        plt.xlabel(x_label)
    if y_label != None:
        plt.ylabel(y_label)
    if y_lim != None:
        plt.ylim(y_lim)
    plt.show()
```

```
In [7]: # определение функции построения диаграммы рассеяния
```

```
# =====
def build_scatter_plot(df, x_col, y_col, hue=None, title=None, palette=None,
                      x_label=None, y_label=None, y_lim=None, ax=None,
                      alpha=None, figsize=(7, 7)):

    ax = ax
    if ax == None:
        fig, ax = plt.subplots(figsize=figsize)

    sns.scatterplot(x=x_col, y=y_col,
                   hue=hue,
                   palette=palette,
                   sizes=(1, 8), linewidth=0,
                   data=df,
                   alpha=alpha,
                   ax=ax)

    plt.grid(True)
    if title != None:
        plt.title(title)
    if x_label != None:
        plt.xlabel(x_label)
    if y_label != None:
        plt.ylabel(y_label)
    if y_lim != None:
        plt.ylim(y_lim)
    plt.show()
```

```
In [8]: # определение функции построения столбчатой диаграммы
# =====
def build_bar_plot(df, x_col, y_col, hue=None, title=None, x_label=None,
                  y_label=None, ax=None, figsize=(10, 10)):

    ax = ax
    if ax == None:
        fig, ax = plt.subplots(figsize=figsize)

    sns.barplot(data=df, x=x_col, y=y_col, hue=hue, ax=ax)
    plt.grid(True)
    if title != None:
        plt.title(title)
    if x_label != None:
        plt.xlabel(x_label)
    if y_label != None:
        plt.ylabel(y_label)
    plt.show()
```

## Функции EDA

```
In [9]: # определение функции выбора перспективных платформ в диапазоне лет
# =====
# на вход подаётся:
#   df - датафрейм
#   first_year - начало диапазона
#   last_year - конец диапазона
# на выходе - список платформ по убыванию суммарных продаж
def get_top_platforms(df, first_year, last_year):
    date_range = range(first_year, last_year+1)
    return (
        games_actual[games_actual['year_of_release'].isin([x for x in date_range])]
        .groupby(by='platform')['total_sales'].sum().sort_values(ascending=False)
    )
```

```
In [10]: # определение функции описания профиля пользователей региона
# =====
# на вход подаётся:
#   df - датафрейм
#   region_col - столбец продаж региона
#   region_name - имя региона
# функция строит:
#   - распределение продаж в регионе по топ-5 платформ региона
#   - распределение продаж в регионе по топ-5 жанров региона
#   - распределение продаж в регионе по рейтингу ESRB
def make_region_profile(df, region_col, region_name):
    # определение топ-5 платформ в регионе
    top_platforms = list(df.groupby(by='platform')[region_col].sum()
                        .sort_values(ascending=False).index[:5])
    print(f'Топ-5 платформ в {region_name}:', top_platforms)

    # график распределения продаж в NA
    build_bar_plot((df[df['platform'].isin(top_platforms)] # выберем Топ-6 платформ
                  .pivot_table(values=region_col, # посчитаем сумму по годам
                              index='platform',
                              aggfunc='sum')
                  .reset_index(), # развернём мультииндекс в столбцы
                  'platform',
                  region_col,
                  title=f"Распределение по платформам суммарных продаж\n {region_name}",
                  x_label='Платформы',
                  y_label='Суммарные продажи, млн. копий',
                  figsize=(8, 6))

    # определение топ-5 жанров в NA
    top_genres = list(df.groupby(by='genre')[region_col].sum()
                    .sort_values(ascending=False).index[:5])
    print(f'Топ-5 жанров в {region_name}:', top_genres)

    # график распределения продаж в NA
    build_bar_plot((df[df['genre'].isin(top_genres)] # выберем Топ-6 платформ
                  .pivot_table(values=region_col, # посчитаем сумму по годам
                              index='genre',
                              aggfunc='sum')
                  .reset_index(), # развернём мультииндекс в столбцы
                  'genre',
                  region_col,
                  title=f"Распределение по жанрам суммарных продаж\n {region_name}",
                  x_label='Жанры',
                  y_label='Суммарные продажи, млн. копий',
                  figsize=(8, 6))
```

```
# определение уникальных значений рейтинга в NA
print(f'ESRB рейтинги в {region_name}:', list(df['rating'].sort_values().unique()))

# график распределения продаж в NA
build_bar_plot((df # выберем Top-6 платформ
                .pivot_table(values=region_col, # посчитаем сумму по годам
                              index='rating',
                              aggfunc='sum')
                .reset_index()), # развернём мультииндекс в столбцы
               'rating',
               region_col,
               title=f"Распределение по рейтингу ESRB суммарных продаж\на {region_name}",
               x_label='Рейтинг',
               y_label='Суммарные продажи, млн. копий',
               figsize=(8, 6))
```

## Обзор данных

Начнём с обзора данных. Откроем файл `games.csv` и выведем случайные 5 строк и другую информацию:

```
In [11]: # откроем файл
games = open_file('games.csv')

# выведем о нём информацию
data_observe(games)
```

Произвольные строки таблицы:

```
=====
```

|       | Name                                  | Platform | Year_of_Release | Genre    | NA_sales | EU_sales | JP_sales | Other_sales | Critic_Score | User_Score | Rating |
|-------|---------------------------------------|----------|-----------------|----------|----------|----------|----------|-------------|--------------|------------|--------|
| 9560  | Green Lantern: Rise of the Manhunters | X360     | 2011.0          | Action   | 0.07     | 0.04     | 0.0      | 0.01        | 59.0         | 7.2        | T      |
| 9326  | International Cricket 2010            | X360     | 2010.0          | Sports   | 0.00     | 0.12     | 0.0      | 0.02        | NaN          | NaN        | NaN    |
| 13515 | Monster High: New Ghoul in School     | 3DS      | 2015.0          | Action   | 0.00     | 0.04     | 0.0      | 0.00        | NaN          | tbd        | E      |
| 2105  | WWE SmackDown vs Raw 2008             | Wii      | 2007.0          | Fighting | 0.38     | 0.50     | 0.0      | 0.11        | 59.0         | 5.9        | T      |
| 13833 | Metal Slug XX                         | PSP      | 2009.0          | Shooter  | 0.03     | 0.00     | 0.0      | 0.00        | 67.0         | 6.1        | T      |

Информация о таблице:

```
=====
<class 'pandas.core.frame.DataFrame'>
RangeIndex: 16715 entries, 0 to 16714
Data columns (total 11 columns):
#   Column          Non-Null Count  Dtype
---  ---
0    Name             16713 non-null  object
1    Platform         16715 non-null  object
2    Year_of_Release  16446 non-null  float64
3    Genre            16713 non-null  object
4    NA_sales         16715 non-null  float64
5    EU_sales         16715 non-null  float64
6    JP_sales         16715 non-null  float64
7    Other_sales      16715 non-null  float64
8    Critic_Score     8137 non-null   float64
9    User_Score       10014 non-null  object
10   Rating           9949 non-null   object
dtypes: float64(6), object(5)
memory usage: 1.4+ MB
```

Количество явных дубликатов в таблице:

```
=====
0
```

Процент пропусков в столбцах:

```
=====
```

| NaNs, %         |       |
|-----------------|-------|
| Critic_Score    | 51.32 |
| Rating          | 40.48 |
| User_Score      | 40.09 |
| Year_of_Release | 1.61  |
| Name            | 0.01  |
| Genre           | 0.01  |
| Platform        | 0.00  |
| NA_sales        | 0.00  |
| EU_sales        | 0.00  |
| JP_sales        | 0.00  |
| Other_sales     | 0.00  |

Описание данных:

- `Name` — название игры
- `Platform` — платформа
- `Year_of_Release` — год выпуска
- `Genre` — жанр игры
- `NA_sales` — продажи в Северной Америке (миллионы проданных копий)
- `EU_sales` — продажи в Европе (миллионы проданных копий)
- `JP_sales` — продажи в Японии (миллионы проданных копий)
- `Other_sales` — продажи в других странах (миллионы проданных копий)
- `Critic_Score` — оценка критиков (максимум 100)
- `User_Score` — оценка пользователей (максимум 10)

- `Rating` — рейтинг от организации ESRB.

**Замечание:** Данные за 2016 год могут быть неполными.

В таблице объёмом 16715 строк, 11 столбцов содержатся следующие типы данных: float64, object.

Столбцы поименованы в смешанном стиле. Целесообразно привести наименования столбцов к единому стилю "snake\_case".

Дубликатов строк нет.

Пропуски наблюдаются в столбцах:

- `'Critic_Score'` - оценка критиков (51.32%),
- `'Rating'` - рейтинг от организации ESRB (40.48%),
- `'User_Score'` - оценка пользователей (40.09%),
- `'Year_of_Release'` - год выпуска (1.61%),
- `'Name'` - название игры (0.01%),
- `'Genre'` - жанр игры (0.01%).

Требуется обработка пропусков. Используемые инструменты (удаление, заполнение) будут выбраны на этапе предобработки.

Столбец года выпуска `'Year_of_Release'`, представленный 4-значным целым числом, имеет тип float64. По смыслу значений, для экономии памяти целесообразно привести его к типу int32.

Продажи в регионах (`'NA_sales'`, `'EU_sales'`, `'JP_sales'`, `'Other_sales'`) представлены в миллионах копий типом float64. На этапе предобработки целесообразно после оценки разброса значений в данных столбцах изменить тип на float32 для экономии памяти.

Оценки (`'Critic_Score'`, `'User_Score'`) по смыслу являются вещественными числами с точностью 1 знак после запятой. В датафрейме данные столбцы представлены типами float64 и object соответственно. В силу ограниченности значений оценок, а также для экономии памяти целесообразно привести данные столбцы к типу float32.

Столбцы `'Name'`, `'Platform'`, `'Genre'`, `'Rating'` содержат строковые данные и в корректировке типов не нуждаются.

Выводы

1. Представленные для анализа данные описывают количественные (продажи) и качественные (год выпуска, платформа, жанр, оценки, рейтинг) характеристики игр.
1. Данные имеют недостатки, которые следует, по возможности, устранить на этапе предварительной обработки:
  - смешанный стиль в наименовании столбцов;
  - пропуски;
  - некорректные типы данных.
1. Предварительно можно утверждать, что данных достаточно для проведения исследования, в том числе, для проверки статистических гипотез.
1. В ходе первичного обзора технологических проблем с данными не обнаружено.

Предобработка данных

Предварительную обработку данных будем проводить в следующем порядке:

1. переименование столбцов;
2. поиск дубликатов и аномалий;
3. обработка пропусков;
4. изменение типов данных.

Такой порядок выбран потому, что пропуски могут влиять на тип данных столбца.

Переименование столбцов

Начнём с приведения имён столбцов к хорошему стилю "snake\_case". Согласно результатам обзора данных, достаточно привести имена колонок к нижнему регистру символов:

```
In [12]: # переименование колонок
games.columns = games.columns.str.lower()

# проверка результата
games.columns

Out[12]: Index(['name', 'platform', 'year_of_release', 'genre', 'na_sales', 'eu_sales',
              'jp_sales', 'other_sales', 'critic_score', 'user_score', 'rating'],
              dtype='object')
```

Теперь колонки таблицы поименованы корректно, в соответствии со стилем "snake\_case".

Поиск неявных дубликатов и аномалий

Прежде чем обрабатывать пропуски, где нам может понадобиться составление словарей на основе данных, проверим данные на неявные дубликаты и аномалии. Очевидно, основным столбцом, для которого целесообразен поиск аномалий, является `'name'`, поскольку именно в нём могут встретиться по-разному написанные одинаковые названия игр, а также другие артефакты.

Кроме того, целесообразно проверить, какие значения принимают столбцы `'platform'`, `'year_of_release'`, `'genre'`, `'critic_score'`, `'user_score'`, `'rating'`.

Для начала рассмотрим уникальные значения последней группы столбцов:

```
In [13]: show_unique_values(games, ['platform', 'year_of_release',
```

```
'genre', 'critic_score',
'user_score', 'rating']])
```

Уникальные значения столбца platform:

```
['2600' '3D0' '3DS' 'DC' 'DS' 'GB' 'GBA' 'GC' 'GEN' 'GG' 'N64' 'NES' 'NG'
'PC' 'PCFX' 'PS' 'PS2' 'PS3' 'PS4' 'PSP' 'PSV' 'SAT' 'SCD' 'SNES' 'TG16'
'WS' 'Wii' 'WiiU' 'X360' 'XB' 'XOne']
```

Уникальные значения столбца year\_of\_release:

```
[1980. 1981. 1982. 1983. 1984. 1985. 1986. 1987. 1988. 1989. 1990. 1991.
1992. 1993. 1994. 1995. 1996. 1997. 1998. 1999. 2000. 2001. 2002. 2003.
2004. 2005. 2006. 2007. 2008. 2009. 2010. 2011. 2012. 2013. 2014. 2015.
2016. nan]
```

Уникальные значения столбца genre:

```
['Action' 'Adventure' 'Fighting' 'Misc' 'Platform' 'Puzzle' 'Racing'
'Role-Playing' 'Shooter' 'Simulation' 'Sports' 'Strategy' nan]
```

Уникальные значения столбца critic\_score:

```
[13. 17. 19. 20. 21. 22. 23. 24. 25. 26. 27. 28. 29. 30. 31. 32. 33. 34.
35. 36. 37. 38. 39. 40. 41. 42. 43. 44. 45. 46. 47. 48. 49. 50. 51. 52.
53. 54. 55. 56. 57. 58. 59. 60. 61. 62. 63. 64. 65. 66. 67. 68. 69. 70.
71. 72. 73. 74. 75. 76. 77. 78. 79. 80. 81. 82. 83. 84. 85. 86. 87. 88.
89. 90. 91. 92. 93. 94. 95. 96. 97. 98. nan]
```

Уникальные значения столбца user\_score:

```
['0' '0.2' '0.3' '0.5' '0.6' '0.7' '0.9' '1' '1.1' '1.2' '1.3' '1.4' '1.5'
'1.6' '1.7' '1.8' '1.9' '2' '2.1' '2.2' '2.3' '2.4' '2.5' '2.6' '2.7'
'2.8' '2.9' '3' '3.1' '3.2' '3.3' '3.4' '3.5' '3.6' '3.7' '3.8' '3.9' '4'
'4.1' '4.2' '4.3' '4.4' '4.5' '4.6' '4.7' '4.8' '4.9' '5' '5.1' '5.2'
'5.3' '5.4' '5.5' '5.6' '5.7' '5.8' '5.9' '6' '6.1' '6.2' '6.3' '6.4'
'6.5' '6.6' '6.7' '6.8' '6.9' '7' '7.1' '7.2' '7.3' '7.4' '7.5' '7.6'
'7.7' '7.8' '7.9' '8' '8.1' '8.2' '8.3' '8.4' '8.5' '8.6' '8.7' '8.8'
'8.9' '9' '9.1' '9.2' '9.3' '9.4' '9.5' '9.6' '9.7' 'tbd' nan]
```

Уникальные значения столбца rating:

```
['A0' 'E' 'E10+' 'EC' 'K-A' 'M' 'RP' 'T' nan]
```

Очевидно, столбцы 'platform', 'genre', 'rating' не содержат аномалий.

Столбцы 'year\_of\_release', 'critic\_score' содержат вещественное представление целых чисел (будет исправлено позже путём преобразования типов). Кроме того, оценки критиков содержат пропуски (их также рассмотрим позже).

Столбец 'user\_score' содержит вещественные значения, пропуски (будут рассмотрены позже), а также строку 'tbd', что означает 'to be determined' - подлежит определению. Иными словами, на момент извлечения данных эти оценки не были определены, и, поскольку значения оценок будут использованы в исследовательском анализе, их целесообразно рассматривать как NaN (пропуск):

```
In [14]: # замена значений
games['user_score'].where(games['user_score'] != 'tbd',
                        other=mt.nan,
                        inplace=True)

# проверка результата
games['user_score'].sort_values().unique()
```

```
Out[14]: array(['0', '0.2', '0.3', '0.5', '0.6', '0.7', '0.9', '1', '1.1', '1.2',
'1.3', '1.4', '1.5', '1.6', '1.7', '1.8', '1.9', '2', '2.1', '2.2',
'2.3', '2.4', '2.5', '2.6', '2.7', '2.8', '2.9', '3', '3.1', '3.2',
'3.3', '3.4', '3.5', '3.6', '3.7', '3.8', '3.9', '4', '4.1', '4.2',
'4.3', '4.4', '4.5', '4.6', '4.7', '4.8', '4.9', '5', '5.1', '5.2',
'5.3', '5.4', '5.5', '5.6', '5.7', '5.8', '5.9', '6', '6.1', '6.2',
'6.3', '6.4', '6.5', '6.6', '6.7', '6.8', '6.9', '7', '7.1', '7.2',
'7.3', '7.4', '7.5', '7.6', '7.7', '7.8', '7.9', '8', '8.1', '8.2',
'8.3', '8.4', '8.5', '8.6', '8.7', '8.8', '8.9', '9', '9.1', '9.2',
'9.3', '9.4', '9.5', '9.6', '9.7', nan], dtype=object)
```

Осталось рассмотреть только аномалии столбца 'name'. Выведем список уникальных значений:

```
In [15]: print('Количество уникальных названий игр:',
            len(games['name'].sort_values().unique()),
            '\n')

# вывод уникальных названий игр
print(list(games['name'].sort_values().unique()))
```

Количество уникальных названий игр: 11560

[' Beyblade Burst', ' Fire Emblem Fates', ' Frozen: Olaf's Quest', ' Haikyuu!! Cross Team Match!', ' Tales of Xillia 2', '"98 Koshien", '.hack//G.U. Vol.1// Rebirth', '.hack//G.U. Vol.2//Reminisce', '.hack//G.U. Vol.2//Reminisce (jp sales)', '.hack//G.U. Vol.3//Redemption', '.hack//Infection Part 1', '.hack//Link', '.hack//Mutation Part 2', '.hack//Outbreak Part 3', '.hack//Quarantine Part 4: The Final Chapter', '.hack: Sekai no Mukou ni + Versus', '007 Racing', '007: Quantum of Solace', '007: The World is not Enough', '007: Tomorrow Never Dies', '1 vs. 100', '1/2 Summer +', '10 Minute Solution', '100 All-Time Favo rites', '100 Classic Books', '100 Classic Games', '1000 Cooking Recipes from ELLE à table', '1001 Touch Games', '101-in-1 Explosive Megamix', '101-in-1 Party Megamix Wii', '101-in-1 Sports Megamix', '101-in-1 Sports Party Megamix', '1080': TenEighty Snowboarding', '11eyes: CrossOver', '12-Sai. Honto no Kimochi', '12-Sai. Koisuru Diary', '12Riven: The Psi-Criminal of Integral', '15 Days', '1701 A.D.', '18 Wheeler: American Pro Truckner', '18 Wheels of Steel: Extreme Truckner', '18 Wheels of Steel: Extreme Truckner 2', '187: Ride or Die', '1942', '2 Games in 1 Double Pack: Hot Wheels Velocity X / Hot Wheels World Race', '2 Games in 1 Double Pack: The Incredibles / Finding Nemo: The Continuing Adventures', '2 Games in 1: Disney Princess & The Lion King', '2 Games in 1: Disney's Brother Bear / The Lion King 1 1/2', '2 Games in 1: Sonic Advance & ChuChu Rocket!', '2 Games in 1: Sonic Battle & ChuChu Rocket!', '2 Games in 1: Sonic Pinball Party & Columns Crown', '2 Games in 1: SpongeBob SquarePants: SuperSponge & Rugrats Go Wild', '2 in 1 Combo Pack: Sonic Heroes / Super Monkey Ball Deluxe', '2-in-1 Game Pack: Spider-Man & Spider-Man 2', '2002 FIFA World Cup', '2010 FIFA World Cup South Africa', '2014 FIFA World Cup Brazil', '24: The Game', '25 to Life', '2Xtreme', '3 in 1: Solitaire, Mahjong & Tangram', '300: March to Glory', '3D Baseball', '3D Dot Game Heroes', '3D Lemmings', '3D Tank Warfare Simulator Panzer Front', '3DS Classic Collection', '3Xtreme', '3rd Super Robot Wars Z Jigoku Hen', '3rd Super Robot Wars Z: Tengoku-Hen', '4 Elements', '4 Game Fun Pack: Monopoly / Boggle / Yahtzee / Battleship', '4 Nin uchi Mahjong', '4 Play Collection - Dark Mysteries', '40 Winks', '428: Fuusa Sareta Shibuya de', '4x4 EVO 2', '4x4 Evolution', '50 Cent: Blood on the Sand', '50 Cent: Bulletproof', '50 Classic Games', '64 de Hakken! Tamagotchi Minna de Tamagotchi World', '7 Days to Die', '7 Roses: A Darkness Rises', '7 Wonders II', '7 Wonders of the Ancient World', '7 Wonders: Treasures of Seven', '7's carlet', '7th Dragon', '7th Dragon 2020', '7th Dragon 2020-II', '7th Dragon III Code: VFD', '99 no Namida', '999: Nine Hours, Nine Persons, Nine Doors', 'A Boy and His Blob', 'A Bug's Life', 'A Collection of Activision Classic Games for the Atari 2600', 'A Collection of Classic Games from the Intellivision', 'A Game of Thrones: Genesis', 'A Good Librarian Like a Good Shepherd: Library Party', 'A New Beginning', 'A Ressa de Gyoukou 2001', 'A Ressa de Ikou DS', 'A Vampire Story', 'A Witch's Tale', 'A III S.V.: A Ressa de Gyoukou 3 Super Version', 'A-Train', 'A-Train 6', 'A-Train: City Simulator', 'A. IV Evolutio n: A Ressa de Ikou 4', 'A.C.E.: Another Century's Episode', 'A.C.E.: Another Century's Episode 2', 'A.C.E.: Another Century's Episode 3: The Final', 'A.C. E.: Another Century's Episode Portable', 'A.C.E.: Another Century's Episode R', 'ABBA: You Can Dance', 'AC/DC LIVE: Rock Band Track Pack', 'AIR', 'AKB148 9: Love Election', 'AKB148: Idol to Guam de Koishitara...', 'AKB148: Idol to Koishitara...', 'AKB48+Me', 'AMF Bowling 2004', 'AMF Bowling Pinbusters!', 'AMF Bowling World Lanes', 'AMF Xtreme Bowling', 'AMNESIA World', 'APB Reloaded', 'ASH: Archaic Sealed Heat', 'ATV Offroad Fury', 'ATV Offroad Fury 2', 'AT V Offroad Fury 3', 'ATV Offroad Fury Pro', 'ATV Offroad Fury: Blazin' Trails', 'ATV Quad Kings', 'ATV Quad Power Racing 2', 'ATV/Monster Truck Mayhem', 'AT V: Quad Frenzy', 'ATV: Quad Power Racing', 'Aa Megami-samaa', 'Abunai: Koi no Sousa Shitsu', 'Academy of Champions: Soccer', 'Accel World: Ginyoku no Kakusei', 'Accel World: Kaskadee no Chouten', 'Ace Attorney 6', 'Ace Attorney Investigations 2', 'Ace Attorney Investigations: Miles Edgeworth', 'Ace Combat 04: S hattered Skies', 'Ace Combat 2', 'Ace Combat 3: Electrosphere', 'Ace Combat 5: The Unsung War', 'Ace Combat 6: Fires of Liberation', 'Ace Combat X: Skies o f Deception', 'Ace Combat Zero: The Belkan War', 'Ace Combat: Assault Horizon', 'Ace Combat: Assault Horizon Legacy', 'Ace Combat: Joint Assault', 'Achtung Panzer: Kharkov 1943', 'Act of Aggression', 'Action Bass', 'Action Force', 'Action Man-Operation Extreme', 'Active Health with Carol Vorderman', 'Active Li fe Explorer', 'Active Life: Extreme Challenge', 'Active Life: Magical Carnival', 'Active Life: Outdoor Challenge', 'Activision Anthology', 'Activision Hit s: Remixed', 'Actua Tennis', 'Adidas Power Soccer', 'Adidas Power Soccer 98', 'Adrenalin Misfits', 'Advance Guardian Heroes', 'Advance Wars', 'Advance Wars 2: Black Hole Rising', 'Advance Wars: Days of Ruin', 'Advance Wars: Dual Strike', 'Advent Rising', 'Adventure', 'Adventure Island', 'Adventure Time: Explor e the Dungeon Because I Don't Know!', 'Adventure Time: Finn & Jake Investigations', 'Adventure Time: The Secret of the Nameless', 'Adventure Time: The Sec ret of the Nameless Kingdom', 'Adventures of Lolo', 'Adventures of Tron', 'Adventures to Go!', 'Aedis Eclipse: Generation of Chaos', 'Aegis of Earth: Proto novus Assault', 'Aeon Flux', 'Aero Elite: Combat Academy', 'Aero Gauge', 'AeroFighters Assault', 'Afrika', 'Afro Samurai', 'After Hours Athletes', 'Again', 'Agarest Senki: Re-appearance', 'Agassi Tennis Generation', 'Agatha Christie's The ABC Murders', 'Agatha Christie: And Then There Were None', 'Agatha Chris tie: Death on the Nile', 'Agatha Christie: Evil Under the Sun', 'Agatha Christie: Peril at End House', 'Agatha Christie: The ABC Murders', 'Age of Conan: R ise of the Godslayer', 'Age of Empires II: The Age of Kings', 'Age of Empires III', 'Age of Empires III: Complete Collection', 'Age of Empires III: Gold Ed ition', 'Age of Empires III: The Asian Dynasties', 'Age of Empires Online', 'Age of Empires: Collector's Edition', 'Age of Empires: Mythologies', 'Age of E mpires: The Age of Kings', 'Age of Mythology', 'Age of Mythology: The Titans', 'Aggressive Inline', 'Agile Warrior F-111X', 'Aibou DS', 'Aidyn Chronicles: The First Mage', 'Aikatsu Stars! My Special Appeal', 'Aikatsu! 2-nin no My Princess', 'Aikatsu! 365 Idol Days', 'Aikatsu! Cinderella Lesson', 'Aikatsu! My No.1 Stage!', 'Ailu de Puzzle', 'Air Combat', 'Air Conflicts: Aces of World War II', 'Air Conflicts: Secret Wars', 'Air Raid', 'Air Traffic Chaos', 'Air-Se a Battle', 'AirForce Delta Storm', 'AirForce Delta Strike', 'Airblade', 'Airborne Troops: Countdown to D-Day', 'Airline Tycoon', 'Airline Tycoon 2', 'Airlo ck', 'Airport Simulator', 'Airship Q', 'Aiyoku no Eustia', 'Akagawa Jirou Mystery: Yasouyoku - Hon ni Manekareta Satsujin', 'Akai Ito DS', 'Akai Katana Sh in', 'Akane Iro ni Somaru Saka Parallel', 'Akatsuki no Amaneka to Aoi Kyojin', 'Akatsuki no Goei Trinity', 'Akiba's Trip', 'Akiba's Trip Plus', 'Akiba's Tr ip: Undead & Undressed', 'Akko ni Omakase! Brain Shock', 'Akuji the Heartless', 'Aladdin Magic Racer', 'Alan Wake', 'Alex Rider: Stormbreaker', 'Alexi lala s International Soccer', 'Alfa Romeo Racing Italiano', 'Alia's Carnival! Sacrament', 'Alias', 'Alice in Wonderland', 'Alice: Madness Returns', 'Alien', 'Ali en Breed Trilogy', 'Alien Hominid', 'Alien Monster Bowling League', 'Alien Resurrection', 'Alien Syndrome', 'Alien Trilogy', 'Alien's Return', 'Alien: Iso lation', 'Alienators: Evolution Continues', 'Aliens in the Attic', 'Aliens versus Predator: Extinction', 'Aliens vs Predator', 'Aliens vs Predator: Requie m', 'Aliens: Colonial Marines', 'Aliens: Infestation', 'All Grown Up! Express Yourself', 'All Grown Up!: Game Boy Advance Video Volume 1', 'All Japan Pro W restling featuring Virtua', 'All Kamen Rider: Rider Generation', 'All Kamen Rider: Rider Generation 2', 'All Points Bulletin', 'All Star Cheer Squad', 'All Star Cheer Squad 2', 'All Star Karate', 'All Star Pro-Wrestling', 'All Star Tennis 99', 'All-Pro Football 2K8', 'All-Star Baseball 2000', 'All-Star Basebal l 2001', 'All-Star Baseball 2002', 'All-Star Baseball 2003', 'All-Star Baseball 2004', 'All-Star Baseball 2005', 'All-Star Baseball 99', 'Alleyway', 'Allie d General', 'Alone in the Dark', 'Alone in the Dark: Inferno', 'Alone in the Dark: One-Eyed Jack's Revenge', 'Alone in the Dark: The New Nightmare', 'Alpha Protocol', 'Alpha and Omega', 'Alter Echo', 'Alter Ego', 'Altered Beast: Guardian of the Realms', 'Alundra', 'Alundra 2: A New Legend Begins', 'Alvin and t he Chipmunks', 'Alvin and the Chipmunks: Chipwrecked', 'Alvin and the Chipmunks: The Squeakquel', 'Amagami', 'Amagoushi no Yakata', 'Amatsumi Sora ni! Kumo no Hatate ni', 'Amazing Adventures: The Forgotten Ruins', 'Amazing Island', 'America Oudan Ultra-Quiz', 'America's Army: Rise of a Soldier', 'America's Arm y: True Soldiers', 'America's Next Top Model', 'America's Test Kitchen: Let's Get Cooking', 'American Bass Challenge', 'American Chopper', 'American Choppe r 2: Full Throttle', 'American Girl: Julie Finds a Way', 'American Girl: Kit Mystery Challenge!', 'American Idol', 'Amnesia', 'Amnesia Crowd', 'Amnesia Lat er', 'Amped 2', 'Amped 3', 'Amped: Freestyle Snowboarding', 'Amplitude', 'An American Tail: Fievel's Gold Rush', 'Anarchy Reigns', 'And1 Streetball', 'Andr etti Racing', 'Angel Blade: Neo Tokyo Guardians', 'Angelique Duet', 'Angelique Retour', 'Angelique Trois', 'Angelique: Maren no Rokukishi', 'Angler's Club: Ultimate Bass Fishing 3D', 'Angry Birds', 'Angry Birds Star Wars', 'Angry Birds Trilogy', 'Angry Birds: Rio', 'AniMates!', 'Anima - Gate of Memories', 'Ani mal Crossing', 'Animal Crossing: Amiibo Festival', 'Animal Crossing: City Folk', 'Animal Crossing: Happy Home Designer', 'Animal Crossing: New Leaf', 'Anim al Crossing: Wild World', 'Animal Genius', 'Animal Kingdom: Wildlife Expedition', 'Animal Paradise', 'Animal Planet: Emergency Vets', 'Animal Planet: Vet C ollection', 'Animal Planet: Vet Life', 'Animaniacs Ten Pin Alley', 'Animaniacs: The Great Edgar Hunt', 'Animorphs: Shattered Reality', 'Anno 1701: Dawn of Discovery', 'Anno 2070', 'Anno 2205', 'Ano Hi Mita Hana no Namae o Bokutachi wa Mada Shiranai', 'Another Code R: A Journey into Lost Memories', 'Ansatsu Ky oushitsu: Assassin Ikusei Keikaku!', 'Ant Nation', 'Antiphona no Seikahime: Tenshi no Gakufu Op.A', 'Antz Extreme Racing', 'Anubis II', 'Ao no Exorcist: G enkoku no Labyrinth', 'Ao no Kanata no Four Rhythm', 'Aoishiro', 'Apache: Air Assault', 'Appassionata: Die Galanacht der Pferde', 'Ape Escape', 'Ape Escape 2', 'Ape Escape 3', 'Ape Escape Academy', 'Ape Escape Academy (jp sales)', 'Ape Escape: On the Loose', 'Ape Escape: Pumped & Primed', 'Apex', 'Apocalypse', 'Apollo Justice: Ace Attorney', 'Aqua Aqua', 'Aqua Panic!', 'Aqua Teen Hunger Force: Zombie Ninja Pro-Am', 'Aquaman: Battle for Atlantis', 'Aquanaut's Holi day', 'Aquanaut's Holiday: Kakusareta Kiroku', 'AquaPazza: Aquaplus Dream Match', 'Aquarium by DS', 'Ar Nosurge: Ode to an Unborn Star', 'Ar tonelico 2: Me lody of Metafalica', 'Ar tonelico Ooga: Knell of Ar Ciel', 'Ar tonelico: Melody of Elemia', 'Arabians Lost: The Engagement on Desert', 'Arc Rise Fantasia', 'Arc the Lad', 'Arc the Lad II', 'Arc the Lad III', 'Arc the Lad: End of Darkness', 'Arc the Lad: Twilight of the Spirits', 'Arcade Hits: Frisky Tom', 'Arc ade Party Pak', 'Arcade Shooting Gallery', 'Arcade Zone', 'Arcana Familia 2', 'Arcana Familia: La storia della Aracana Famiglia', 'Arcana Famiglia: Vasce llo Phantasma no Majutsushi', 'Arcana Heart', 'Arcana Heart 3', 'Arcania: Gothic 4', 'Archer Maclean Presents: Pool Paradise', 'Archer Maclean's 3D Pool', 'Archer Maclean's Mercury', 'Arctic Tale', 'Arctic Thunder', 'Are You Alice?', 'Are You Smarter Than A 5th Grader?', 'Are You Smarter Than a 5th Grader? Ba ck to School', 'Are You Smarter than a 5th Grader? Game Time', 'Are You Smarter than a 5th Grader? Make the Grade', 'Area 51', 'Arena Football', 'Aria: The Natural ~Too Yume no Mirage~', 'Aria: The Origination ~AoI Wakusei no El Cielo~', 'Arkanoid DS', 'Arma II', 'Arma III', 'Armed and Dangerous', 'Armor Ambu sh', 'Armored Core', 'Armored Core 2', 'Armored Core 2: Another Age', 'Armored Core 3', 'Armored Core 3 Portable', 'Armored Core 4', 'Armored Core SL: Sile nt Line Portable', 'Armored Core V', 'Armored Core: For Answer', 'Armored Core: Formula Front Extreme Battle', 'Armored Core: Last Raven', 'Armored Core: L ast Raven Portable', 'Armored Core: Master of Arena', 'Armored Core: Nexus', 'Armored Core: Nine Breaker', 'Armored Core: Project Phantasma', 'Armored Cor e: Silent Line', 'Armored Core: Verdict Day', 'Armorines: Project S.W.A.R.M.', 'Army Corps of Hell', 'Army Men 3D', 'Army Men World War: Final Front', 'Arm y Men World War: Land, Sea, Air', 'Army Men World War: Team Assault', 'Army Men: Air Attack', 'Army Men: Air Attack 2', 'Army Men: Air Combat', 'Army Men: Air Combat - The Elite Missions', 'Army Men: Green Rogue', 'Army Men: Major Malfunction', 'Army Men: RTS', 'Army Men: Sarge's Heroes', 'Army Men: Sarge's H eroes 2', 'Army Men: Sarge's War', 'Army Men: Soldiers of Misfortune', 'Army Rescue', 'Army of Two', 'Army of Two: The 40th Day', 'Army of Two: The Devil's Cartel', 'Around the World in 80 Days', 'Arslan: The Warriors of Legend', 'Art Academy', 'Art Academy: Home Studio', 'Art Academy: Lessons for Everyone', 'Art of Fighting 3: The Path of the Warrior', 'Art of Fighting Anthology', 'Arthur and the Invisibles', 'Arthur! Ready to Race', 'Arx Fatalis', 'Ashes Cric ket 2009', 'Asphalt 3D', 'Asphalt: Injection', 'Asphalt: Urban GT', 'Asphalt: Urban GT 2', 'Assassin's Creed', 'Assassin's Creed Chronicles', 'Assassin's C reed Chronicles: China', 'Assassin's Creed II', 'Assassin's Creed II: Discovery', 'Assassin's Creed III', 'Assassin's Creed III: Liberation', 'Assassin's C reed IV: Black Flag', 'Assassin's Creed Syndicate', 'Assassin's Creed The Ezio Collection', 'Assassin's Creed: Altair's Chronicles', 'Assassin's Creed: Blo odlines', 'Assassin's Creed: Brotherhood', 'Assassin's Creed: Revelations', 'Assassin's Creed: Rogue', 'Assassin's Creed: Unity', 'Assassination Classroom: Grand Siege on Kuro-sensei', 'Assault', 'Assault Rigs', 'Assault Suit Leynos', 'Assault: Retribution', 'Assetto Corsa', 'Asterix & Obelix: Kick Buttix', 'A steroids', 'Asteroids Hyper 64', 'Astonishia Story', 'Astro Boy', 'Astro Boy: Omega Factor', 'Astro Boy: The Video Game', 'Astronaut', 'Astrology DS', 'As ura's Wrath', 'Atari Anniversary Advance', 'Atari Anniversary Edition Redux', 'Atari Anthology', 'Atari Classics Evolved', 'Atari Flashback Classics: Volum e 1', 'Atari Flashback Classics: Volume 2', 'Atari's Greatest Hits: Volume 1', 'Atari's Greatest Hits: Volume 2', 'Atelier Annie: Alchemists of Sera Islan d', 'Atelier Ayesha: The Alchemist of Dusk', 'Atelier Escha & Logy: Alchemists of the Dusk Sky', 'Atelier Firis: The Alchemist of the Mysterious Journey', 'Atelier Iris 2: The Azoth Of Destiny', 'Atelier Iris 3: Grand Phantasm (JP Sales)', 'Atelier Iris 3: Grand Phantasm (US Sales)', 'Atelier Iris: Eternal Ma na', 'Atelier Meruru: Alchemist of Arland 3', 'Atelier Rorona: Alchemist of Arland', 'Atelier Shallie Plus: Alchemists of the Dusk Sea', 'Atelier Shallie: Alchemists of the Dusk Sea', 'Atelier Sophie: The Alchemist of the Mysterious Book', 'Atelier Totori: The Adventurer of Arland', 'Athens 2004', 'Atlantic Q uest', 'Atlantis', 'Atomic Betty', 'Atsumare! Power Pro Kun no DS Koushien', 'Attack of the Movies 3D', 'Attack on Titan (KOEI)', 'Attack on Titan: Humanit y in Chains', 'Auto Destruct', 'Auto Modellista', 'Automobili Lamborghini', 'Avalon Code', 'Avatar: The Game', 'Avatar: The Last Airbender', 'Avatar: The L ast Airbender - Into the Inferno', 'Avatar: The Last Airbender - The Burning Earth', 'Away: Shuffle Dungeon', 'Azada', 'Azure Dreams', 'Azure Striker Gunvo lt', 'Azure Striker Gunvolt: Striker Pack', 'Azurik: Rise of Perathia', 'B's-LOG Party!', 'B-17: Fortress in the Sky', 'B-Boy', 'B.L.U.E.: Legend of Wate r', 'BCFX: The Black College Football Xperience, The Doug Williams Edition', 'BIT.TRIP COMPLETE', 'BIT.TRIP SAGA', 'BMX XXX', 'BRAHMA Force: The Assault on Belltlogger 9', 'Baby Pals', 'Babysitting Mama', 'Babysitting Mania', 'Back At The Barnyard: Slop Bucket Games', 'Back to the Future: The Game', 'Backbreak e r', 'Backstreet Billiards', 'Backyard Baseball', 'Backyard Baseball '09', 'Backyard Baseball 10', 'Backyard Baseball 2006', 'Backyard Basketball', 'Backya

rd Hockey', 'Backyard NBA Basketball', 'Backyard NFL Football', 'Backyard NFL Football '08', 'Backyard NFL Football '09', 'Backyard NFL Football '10', 'Backyard NFL Football 2006', 'Backyard Skateboarding 2006', 'Backyard Soccer', 'Backyard Sports Football: Rookie Rush', 'Backyard Sports: Sandlot Sluggers', 'Backyard Wrestling 2: There Goes the Neighborhood', 'Backyard Wrestling: Don't Try This at Home', 'Bad Apple Wars', 'Bad Boys: Miami Takedown', 'Bae Yong-joon to Manabu Kankokugo DS', 'Bahamut Lagoon', 'Baja: Edge of Control', 'Bakemonogatari Portable', 'Baku Baku', 'Bakugan Battle Brawlers: Defenders of the Core', 'Bakugan: Battle Brawlers', 'Bakugan: Battle Trainer', 'Bakugan: Rise of the Resistance', 'Bakumatsu Kohana: Shinsengumi DS', 'Bakumatsu Renka: Karuyuu Kenshi-den', 'Bakumatsu Rock', 'Bakumatsu Rock: Ultra Soul', 'Bakusou Dekotora Densetsu: Otoko Ippiki Yume Kaidou', 'Bakusou Kyoudai Let's & Go!! Etern al Wings', 'Baldur's Gate: Dark Alliance', 'Baldur's Gate: Dark Alliance II', 'Ball Breakers', 'Ballblazer Champions', 'Ballistic', 'Ballistic: Ecks vs. Se ver', 'Balloon Fight', 'Balloon Pop', 'Balloon Pop 2', 'Balls of Fury', 'Band Hero', 'Bangai-O Spirits', 'Banjo-Kazooie', 'Banjo-Kazooie: Grunty's Reveng e', 'Banjo-Kazooie: Nuts & Bolts', 'Banjo-Pilot', 'Banjo-Toonie', 'Bank Heist', 'Banushi Life Game: Winner's Circle', 'Barbarian', 'Barbie Explorer', 'Barbi e Fashion Show: An Eye for Style', 'Barbie Groovy Games', 'Barbie Horse Adventures: Blue Ribbon Race', 'Barbie Horse Adventures: Riding Card', 'Barbie Hors e Adventures: Wild Horse Rescue', 'Barbie Super Sports', 'Barbie Superpack: Secret Agent / Groovy Games', 'Barbie and Her Sisters Puppy Rescue', 'Barbie an d the Magic of Pegasus', 'Barbie and the Three Musketeers', 'Barbie as The Island Princess', 'Barbie as the Princess and the Pauper', 'Barbie in The 12 Dan cing Princesses', 'Barbie: Groom and Glam Pups', 'Barbie: Jet, Set & Style!', 'Barbie: Race & Ride', 'Barnstorming', 'Barnyard', 'Barnyard Blast: Swine of the Night', 'Baroque', 'Baseball', 'Baseball Advance', 'Baseball Blast!', 'Bases Loaded '96: Double Header', 'Basketball Hall of Fame Ultimate Hoops Challe nge', 'Bass Hunter 64', 'Bass Landing', 'Bass Pro Shops: The Hunt', 'Bass Pro Shops: The Strike', 'Bass Rise', 'Bass Strike', 'Bassmasters 2000', 'Bastar d!! Utsuro Naru Kamigami no Utsuwa', 'Baten Kaitos Origins', 'Baten Kaitos: Eternal Wings and the Lost Ocean', 'Batman & Robin', 'Batman Begins', 'Batman B eyond: Return of the Joker', 'Batman Forever: The Arcade Game', 'Batman: A Telltale Game Series', 'Batman: Arkham Asylum', 'Batman: Arkham City', 'Batman: Arkham Knight', 'Batman: Arkham Origins', 'Batman: Arkham Origins Blackgate', 'Batman: Arkham VR', 'Batman: Dark Tomorrow', 'Batman: Gotham City Racer', 'B atman: Return to Arkham', 'Batman: Rise of Sin Tzu', 'Batman: The Brave and the Bold the Videogame', 'Batman: Vengeance', 'Battalion Wars', 'Battalion Wars 2', 'Battle & Get! Pokemon Typing DS', 'Battle Arena Toshinden', 'Battle Arena Toshinden 2', 'Battle Arena Toshinden 3', 'Battle Arena Toshinden Remix', 'B attle Arena Toshinden URA', 'Battle Assault 3 featuring Gundam Seed', 'Battle Commander: Hachibushu Shura no Heihou', 'Battle Dodge Ball', 'Battle Engine A quila', 'Battle Fantasia', 'Battle Hunter', 'Battle Princess of Arcadias', 'Battle Rage', 'Battle Soccer: Field no Hasha', 'Battle Spirits: Digital Starte r', 'Battle Spirits: Hero's Soul', 'Battle Spirits: Kiseki no Hasha', 'Battle Stadium D.O.N.', 'Battle Stations', 'Battle Worlds: Kronos', 'Battle of Giant s: Dinosaurs', 'Battle of Giants: Dinosaurs Strike', 'Battle of Giants: Dragons', 'Battle of Giants: Mutant Insects', 'Battle vs. Chess', 'BattleBots: Beyo nd the BattleBox', 'BattleForge', 'BattleTanx', 'BattleTanx: Global Assault', 'Battleborn', 'Battlebots: Design & Destroy', 'Battlefield 1', 'Battlefield 1 942', 'Battlefield 1942: The WW II Anthology', 'Battlefield 2', 'Battlefield 2142', 'Battlefield 2: Modern Combat', 'Battlefield 2: Modern Combat(JP sale s)', 'Battlefield 3', 'Battlefield 4', 'Battlefield Vietnam', 'Battlefield: Bad Company', 'Battlefield: Bad Company 2', 'Battlefield: Bad Company: Hardline', 'Battle o f Prince of Persia', 'Battleship / Connect Four / Sorry! / Trouble', 'Battlestar Galactica', 'Battlestations: Midway', 'Battlestations: Pacific', 'Battlezo ne', 'Battlezone: Rise of the Black Dogs', 'Bayonetta', 'Bayonetta 2', 'Beach Spikers: Virtua Beach Volleyball', 'Beamrider', 'Beastly', 'Beastly Frantic F oto', 'Beat City', 'Beat Down: Fists of Vengeance', 'Beat Sketch!', 'BeatMania', 'BeatMania Append 3rdMix', 'BeatMania Append 4thMix: The beat goes on', 'B eatMania Append GottaMix', 'BeatMania IIDX 11: IIDX Red', 'BeatMania IIDX 13: Distorted', 'BeatMania IIDX 14 Gold', 'BeatMania IIDX 15: DJ Troopers', 'Beat Mania IIDX 16: Empress + Premium Best', 'BeatMania IIDX 3rd Style', 'BeatMania IIDX 4th Style: New Songs Collection', 'Beatdown: Fists of Vengeance', 'Beat erator', 'Beautiful Katamari', 'Bee Movie Game', 'Beetle Adventure Racing!', 'Beijing 2008', 'Bejeweled 2 Deluxe', 'Bejeweled 3', 'Bejeweled Blitz', 'Bejew eled Twist', 'Bella Sara', 'Bella Sara 2 - The Magic of Drasilmare', 'Ben 10 Alien Force: Vilgax Attacks', 'Ben 10 Galactic Racing', 'Ben 10 Omniverse 2', 'Ben 10 Triple Pack', 'Ben 10 Ultimate Alien: Cosmic Destruction', 'Ben 10: Alien Force', 'Ben 10: Protector of Earth', 'Bentley's Hackpack', 'Beowulf: The Game', 'Berseker and the Band of the Hawk', 'Berzerk', 'Best Friends Tonight', 'Best Of Tests', 'Betty Boop's Double Shift', 'Beyblade VForce: Super Tournam ent Battle', 'Beyblade Evolution', 'Beyblade G-Revolution', 'Beyblade VForce: Ultimate Blader Jam', 'Beyblade: Metal Fusion', 'Beyblade: Metal Fusion - Bat tle Fortress', 'Beyblade: Metal Masters', 'Beyond Good & Evil', 'Beyond Oasis', 'Beyond The Beyond', 'Beyond the Labyrinth', 'Beyond: Two Souls', 'Bicycle Casino 2005', 'Big Air', 'Big Air Freestyle', 'Big Bang Mini', 'Big Bass Fishing', 'Big Bass World Championship', 'Big Beach Sports', 'Big Beach Sports 2', 'Big Brain Academy', 'Big Brain Academy: Wil Degree', 'Big Family Games', 'Big Hero 6: Battle in the Bay', 'Big Ichigeki! Pach-Slot Taikouryoku Universal M useum', 'Big Idea's VeggieTales: LarryBoy and the Bad Apple', 'Big League Sports', 'Big League Sports: Summer', 'Big Mountain 2000', 'Big Mutha Truckers', 'Big Mutha Truckers 2', 'Big Strike Bowling', 'Bigfoot King of Crush', 'Bigfoot: Collision Course', 'Biker Mice From Mars', 'Bikkuriman Daijiten', 'Billy H atcher and the Giant Egg', 'Billy the Wizard: Rocket Broomstick Racing', 'Billy's Boot Camp: Wii de Enjoy Diet!', 'Binary Domain', 'Binary Star', 'Bio FREA KS', 'BioShock', 'BioShock 2', 'BioShock Infinite', 'BioShock The Collection', 'Biohazard: Revival Selection', 'Bionic Commando', 'Bionicle', 'Bionicle Her oes', 'Bionicle: Matoran Adventures', 'Birds of Steel', 'Birthday Party Bash', 'Bishoujo Senshi SailorMoon R', 'Bishoujo Senshi SailorMoon S: Juugai Ranto ul? Shuyaku Soudatsusen', 'Black', 'Black & Bruised', 'Black & White', 'Black & White 2', 'Black \* Rock Shooter: The Game', 'Black Bass with Blue Marlin', 'Black Cat', 'Black Dawn', 'Black Jack vs. Matsudajun', 'Black Mirror 2', 'Black Rose Valkyrie', 'Black Sigil: Blade of the Exiled', 'Black Stone: Magic & Steel', 'Black/Matrix', 'Blacksite: Area 51', 'Blackthorne', 'Blackwater', 'Blade Arcus from Shining EX', 'Blade Dancer: Lineage of Light', 'Blade II', 'Bl ades of Blood: Samurai Shodown III', 'Blades of Time', 'Bladestorm: Nightmare', 'Bladestorm: The Hundred Years' War', 'Blast Chamber', 'Blast Corps', 'Bla st Lacrosse', 'Blast Radius', 'Blast Works: Build, Trade, Destroy', 'Blaster Master: Blasting Again', 'Blasto', 'BlazBlue Central Fiction', 'BlazBlue: Calam ity Trigger', 'BlazBlue: Calamity Trigger Portable', 'BlazBlue: Chrono Phantasma', 'BlazBlue: Chrono Phantasma Extend', 'BlazBlue: Continuum Shift', 'BlazB lue: Continuum Shift II', 'Blazblue: Continuum Shift Extend', 'Blaze Union: Story to Reach the Future', 'Blazer Drive', 'Blazing Angels 2: Secret Missions of WWII', 'Blazing Angels: Squadrons of WWII', 'Blazing Dragons', 'Blazing Heroes', 'Blazing Souls', 'Blazing Souls: Accelate', 'Bleach DS 4th: Flame Bring er', 'Bleach GC: Tasogare Ni Mamieru Shinigami', 'Bleach: Blade Battlers', 'Bleach: Blade Battlers 2nd', 'Bleach: Dark Souls', 'Bleach: Dark Souls (JP sale s)', 'Bleach: Erabareishi Tamashii', 'Bleach: Hanatareshi Yabou', 'Bleach: Heat the Soul', 'Bleach: Heat the Soul 3', 'Bleach: Heat the Soul 4', 'Bleach: He at the Soul 5', 'Bleach: Heat the Soul 6', 'Bleach: Heat the Soul 7', 'Bleach: Shattered Blade', 'Bleach: Soul Carnival', 'Bleach: Soul Carnival 2', 'Bleac h: Soul Resurrection', 'Bleach: The 3rd Phantom', 'Bleach: The Blade of Fate', 'Bleach: Versus Crusade', 'Blender Bros.', 'Blinx 2: Masters of Time & Spac e', 'Blinx: The Time Sweeper', 'Blitz: Overtime', 'Blitz: The League', 'Blitz: The League II', 'Blitzkrieg 2 Anthology', 'Block Kuzushi', 'Block Party', 'B lokus Portable: Steambot Championship', 'Blood Bowl', 'Blood Bowl: Legendary Edition', 'Blood Drive', 'Blood Omen 2', 'Blood Omen: Legacy of Kain', 'Blood Wake', 'Blood Will Tell: Tezuka Osamu's Dororo', 'Blood of Bahamut', 'Blood: The Last Vampire (Joukan)', 'BloodRayne', 'BloodRayne 2', 'Bloodborne', 'Blood y Roar', 'Bloody Roar 3', 'Bloody Roar 4', 'Bloody Roar Extreme', 'Bloody Roar II', 'Bloody Roar: Primal Fury', 'BlowOut', 'Blue Breaker: Ken Yorino Hohemo i o', 'Blue Dragon', 'Blue Dragon Plus', 'Blue Dragon: Awakened Shadow', 'Blue Roses: Yousei to Aoi Hitomi no Senshitachi', 'Blue Stinger', 'Blue's Clues: Blue's Big Musical', 'Blues Brothers 2000', 'Blur', 'Board Game Classics', 'Board Game: Top Shop', 'Bob the Builder: Can We Fix It?', 'Boboboubo Boboboubo: O ugi 87.5 Bakuretsu Hanage Shinken', 'Bode Miller Alpine Skiing', 'Body Harvest', 'Body and Brain Connection', 'Bodycount', 'Bogey: Dead 6', 'Boing! Docomod ake DS', 'Boktai 2: Solar Boy Django', 'Boktai: The Sun is in Your Hand', 'Boku no Natsuyasumi', 'Boku no Natsuyasumi 2: Umi no Bouken Hen', 'Boku no Natsu yasumi 3: Hakkoku Hen: Chisana Boku no Dai Sougen(u200b)', 'Boku no Natsuyasumi 4: Seitochiku Shounen Tanteidan, Boku to Himitsu no Chizu', 'Boku no Natsuya sumi Portable 2: Nazo Nazo Shimai to Chinbotsusen no Himitsu', 'Boku no Natsuyasumi Portable: Mushi Mushi Hakase to Teppen-yama no Himitsu!!', 'Bolt', 'Bom bastic', 'Bomberman', 'Bomberman (jp sales)', 'Bomberman 2', 'Bomberman 64', 'Bomberman 64: The Second Attack!', 'Bomberman B-Daman', 'Bomberman Fantasy Ra ce', 'Bomberman Generation', 'Bomberman Hero', 'Bomberman II', 'Bomberman Jetters', 'Bomberman Land', 'Bomberman Land Touch!', 'Bomberman Land Touch! 2', 'Bomberman Max 2: Blue Advance', 'Bomberman Max 2: Red Advance', 'Bomberman Party Edition', 'Bomberman Story DS', 'Bomberman Tournament', 'Bomberman Worl d', 'Bomberman: Act Zero', 'Boogie', 'Boogie SuperStar', 'Book of Spells', 'Bookworm', 'Bookworm Deluxe', 'Boom Blox', 'Boom Blox Bash Party', 'BoomBots', 'Boot Camp Academy', 'Borderlands', 'Borderlands 2', 'Borderlands: Double Game Add-On Pack', 'Borderlands: The Handsome Collection', 'Borderlands: The Pre- Sequel', 'Botanicaula', 'Bottom of the 9th', 'Bottom of the 9th '97', 'Bottom of the 9th '99', 'Boulder Dash: Rocks!', 'Bound by Flame', 'Bounty Hounds', 'B oxer's Road', 'Boxing', 'Boxing Fever', 'Braid', 'Brain Age 2: More Training in Minutes a Day', 'Brain Age: Concentration Training', 'Brain Age: Train Your Brain in Minutes a Day', 'Brain Assist', 'Brain Boost: Beta Wave', 'Brain Boost: Gamma Wave', 'Brain Challenge', 'Brain Dead 13', 'Brain Exercise With Dr. Kawashima', 'Brain Quest: Grades 3 & 4', 'Brain Quest: Grades 5 & 6', 'Brain Voyage', 'Brandish: The Dark Revenant', 'Bratz', 'Bratz 4 Real', 'Bratz Kidz', 'Bratz Ponyz', 'Bratz Ponyz 2', 'Bratz: Forever Diamondz', 'Bratz: Girlz Really Rock', 'Bratz: Rock Angelz', 'Bratz: Super Babyz', 'Bratz: The Movie', 'Bra ve Fencer Musashi', 'Brave Story: Boku no Kioku to Negai', 'Brave Story: New Traveler (US sales)', 'Brave Story: New Traveller (jp sales)', 'Brave: A Warri or's Tale', 'Brave: The Video Game', 'Bravely Default: Flying Fairy', 'Bravely Second: End Layer', 'Bravo Air Race', 'Breach', 'Break 'Em All', 'Breakaway IV', 'Breakdown', 'Breakout', 'Breath of Fire', 'Breath of Fire II', 'Breath of Fire III', 'Breath of Fire IV', 'Breath of Fire: Dragon Quarter', 'Breeding Stud 2', 'Brian Lara Cricket', 'Bridge', 'Brigandine: The Legend of Forsena', 'Brink', 'Britney's Dance Beat', 'Broken Helix', 'Broken Sword 5: The Serpen t's Curse', 'Broken Sword II: The Smoking Mirror', 'Broken Sword: Shadow of the Templars - The Director's Cut', 'Broken Sword: Shadows of the Templars - Th e Director's Cut', 'Broken Sword: The Shadow of the Templars', 'Broken Sword: The Sleeping Dragon', 'Brooktown High: Senior Year', 'Brothers Conflict: Bril liant Blue', 'Brothers Conflict: Passion Pink', 'Brothers In Arms DS', 'Brothers In Arms: D-Day', 'Brothers In Arms: Earned in Blood', 'Brothers In Arms: R oad to Hill 30', 'Brothers in Arms: Double Time', 'Brothers in Arms: Furious 4', 'Brothers in Arms: Hell's Highway', 'Brothers: A Tale of Two Sons', 'Bruce Lee: Quest of the Dragon', 'Brunswick Circuit Pro Bowling', 'Brunswick Circuit Pro Bowling 2', 'Brunswick Cosmic Bowling', 'Brunswick Pro Bowling', 'Brutal Legend', 'Brute Force', 'Bubble Bobble Double Shot', 'Bubble Bobble Evolution', 'Bubble Bobble Revolution', 'Bubble Bobble also featuring Rainbow Islands', 'Bubble Bobble: Old & New', 'Bubsy 3D', 'Buck Bumble', 'Buck Fever', 'Buffy the Vampire Slayer', 'Buffy the Vampire Slayer: Chaos Bleeds', 'Buffy the Vampi re Slayer: Wrath of the Darkhul King', 'Bugriders: The Race of Kings', 'Bugs Bunny & Taz: Time Busters', 'Bugs Bunny: Lost in Time', 'Build 'n Race', 'Buil d-A-Bear Workshop', 'Build-A-Bear Workshop: A Friend Fur All Seasons', 'Build-A-Bear Workshop: Friendship Valley', 'Build-A-Bear Workshop: Welcome to Hugsv ille', 'Builder's Block', 'Bujingai: The Forsaken City', 'Bullet Girls', 'Bullet Girls 2', 'Bullet Soul: Tama Tamashii', 'Bullet Witch', 'Bulletstorm', 'Bu lly', 'Bully: Scholarship Edition', 'Bump 'n' Jump', 'Bunnei Haruka: Aoizta Iburnoku', 'Bunnei Kaika: Aoizta Iburnoku Saien', 'Burger Island', 'BurgerTime', 'Burning Rangers', 'Burning Road', 'Burnout', 'Burnout 2: Point of Impact', 'Burnout 3: Takedown', 'Burnout Dominator', 'Burnout Legends', 'Burnout Paradis e', 'Burnout Paradise: The Ultimate Box', 'Burnout Revenge', 'Burstrick: Wake Boarding!!', 'Bus Simulator 16', 'Bushido Blade', 'Bushido Blade 2', 'Busou R enkin: Youkoso Papillon Park e', 'Busou Shinki: Battle Masters', 'Busou Shinki: Battle Masters Mk. 2', 'Bust A Groove', 'Bust A Groove 2', 'Bust-A-Bloc', 'Bust-A-Move', 'Bust-A-Move '99', 'Bust-A-Move 2 Arcade Edition', 'Bust-A-Move 3000', 'Bust-A-Move 4', 'Bust-A-Move Bash!', 'Bust-A-Move DS', 'Bust-A-Move Deluxe', 'Bust-A-Move Universe', 'Buster Bros. Collection', 'Busy Scissors', 'Butt Ugly Martians: B.K.M. Battles', 'Butt-Ugly Martians: Zoom or Doom!', 'Bu zz Lightyear of Star Command', 'Buz! Brain of the UK', 'Buz! Junior: Jungle Party', 'Buz! Junior: RoboJam', 'Buz! Master Quiz', 'Buz! Quiz TV', 'Buz! Quiz World', 'Buz! The BIG Quiz', 'Buz! The Hollywood Quiz', 'Buz! The Mega Quiz', 'Buz! The Music Quiz', 'Buz! The Schools Quiz', 'Buz! The Ultimate Music Quiz', 'C.O.P.: The Recruit', 'C.O.R.E.', 'C: The Contra Adventure', 'CID The Dummy', 'CIMA: The Enemy', 'CMT Presents: Karaoke Revolution Country', 'CSI: 3 Dimensions of Murder', 'CSI: Crime Scene Investigation', 'CSI: Dark Motives', 'CSI: Deadly Intent', 'CSI: Deadly Intent - The Hidden Cases', 'CSI: Fatal Conspiracy', 'CSI: Hard Evidence', 'CSI: Unsolved!', 'CT Special Forces', 'CT Special Forces 2: Back in the Trenches', 'CV Casting Voice', 'Cabbage P atch Kids: The Patch Puppy Rescue', 'Cabela's Adventure Camp', 'Cabela's African Safari', 'Cabela's Alaskan Adventure', 'Cabela's Big Game Hunter', 'Cabel a's Big Game Hunter (2008)', 'Cabela's Big Game Hunter 2005 Adventures', 'Cabela's Big Game Hunter 2010', 'Cabela's Big Game Hunter 2012', 'Cabela's Big Ga me Hunter: Hunting Party', 'Cabela's Big Game Hunter: Pro Hunts', 'Cabela's Big Game Hunter: Ultimate Challenge', 'Cabela's Dangerous Hunts', 'Cabela's Dan gerous Hunts 2', 'Cabela's Dangerous Hunts 2009', 'Cabela's Dangerous Hunts 2011', 'Cabela's Dangerous Hunts: Ultimate Challenge', 'Cabela's Deer Hunt 2005 Season', 'Cabela's Deer Hunt: 2004 Season', 'Cabela's Legendary Adventures', 'Cabela's Monster Buck Hunter', 'Cabela's North American Adventures', 'Cabel a's Outdoor Adventures', 'Cabela's Outdoor Adventures (2006)', 'Cabela's Outdoor Adventures (2009)', 'Cabela's Survival: Shadows of Katmai', 'Cabela's Trop hics', 'Caesar III', 'Caesar IV', 'Caesars Palace 2000: Millennium Gold Edition', 'Caesars Palace Advance: Millennium Gold Edition', 'Caesars Palace I I', 'Cake Mania', 'Cake Mania 2: Jill's Next Adventure!', 'Cake Mania 3', 'Cake Mania: Baker's Challenge', 'Cake Mania: In The Mix!', 'Cake Mania: Main Str



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na Sanrin: Kyoto Satujin Jinken File', 'DT Carnage', 'DT Racer', 'DX Game of Life', 'DX Game of Life 2', 'Da Capo I & II Plus Situation Portable', 'DaGeDa r', 'Dai Senryaku VII: Modern Military Tactics', 'Dai-2-Ji Super Robot Taisen OG', 'Dai-2-Ji Super Robot Taisen 2 Saisei-hen', 'Dai-2-Ji Super Robot Taisen Z: Hakai-hen', 'Dai-2-Ji Super Robot Taisen a', 'Dai-3-Ji Super Robot Taisen o: Shuuen no Ginga e', 'Dai-4-Ji Super Robot Taisen', 'Dai-4-Ji Super Robot Ta isen S', 'Daibakushou: Jinsei Gekijou', 'Daigasso! Band Brothers', 'Daigasso! Band Brothers P', 'Daikaijyu Battle: Ultra Coliseum', 'Daikaijyu Battle: Ultr a Coliseum DX - Ultra Senshi Daishuuketsu', 'Daikaijyuu Monogatari', 'Daikaijyuu Monogatari II', 'Daisy Fuentes Pilates', 'Daito Giken Koushiki Pachi-Slot Simulator Hihouden: Taiyou o Motomeru Monotachi', 'Daito Giken Koushiki Pachi-Slot Simulator: 24 - Twenty-Four', 'Daito Giken Koushiki Pachi-Slot Simulato r: Hihouden', 'Daito Giken Koushiki Pachi-Slot Simulator: Hihouden - Fuujirareta Megami Portable', 'Daito Giken Koushiki Pachi-Slot Simulator: Hihouden - O ssu! Banchou - Yoshimune DS', 'Daito Giken Koushiki Pachi-Slot Simulator: Ossu! Banchou Portable', 'Daito Giken Koushiki Pachi-Slot Simulator: Ossu! Misao + Maguro Densetsu Portable', 'Daito Giken Koushiki Pachi-Slot Simulator: Shake II', 'Daito Giken Koushiki Pachi-Slot Simulator: Shin Yoshimune', 'Daito Gik en Koushiki Pachi-Slot Simulator: Yoshimune Portable', 'Daito Giken Premium Pachi-Slot Collection: Yoshimune', 'Daiya no Kuni no Alice: Wonderful Mirror Wo rld', 'Dakar 2: The World's Ultimate Rally', 'Damage Inc.: Pacific Squadron WWII', 'Dammation', 'Danball Senki', 'Danball Senki Boost', 'Dance Central', 'D ance Central 2', 'Dance Central 3', 'Dance Central: Spotlight', 'Dance Dance Revolution (Japan)', 'Dance Dance Revolution (North America)', 'Dance Dance Re volution 2nd ReMIX', 'Dance Dance Revolution 3rdMix', 'Dance Dance Revolution Disney Mix', 'Dance Dance Revolution Extra Mix', 'Dance Dance Revolution Extr eme', 'Dance Dance Revolution Extreme 2', 'Dance Dance Revolution SuperNOVA', 'Dance Dance Revolution SuperNOVA 2', 'Dance Dance Revolution Ultramix', 'Dan ce Dance Revolution Ultramix 2', 'Dance Dance Revolution Ultramix 3', 'Dance Dance Revolution Universe', 'Dance Dance Revolution Universe 2', 'Dance Dance Revolution Universe 3', 'Dance Dance Revolution X', 'Dance Dance Revolution X2', 'Dance Dance Revolution: Disney Channel Edition', 'Dance Dance Revolution: Disney Grooves', 'Dance Dance Revolution: Hottest Party', 'Dance Dance Revolution: Hottest Party 2', 'Dance Dance Revolution: Hottest Party 3', 'Dance Danc e Revolution: Hottest Party 5', 'Dance Dance Revolution: Mario Mix', 'Dance Dance Revolution: Mario Mix (JP sales)', 'Dance Factory', 'Dance Paradise', 'Da nce Party: Pop Hits', 'Dance Sensation!', 'Dance on Broadway', 'Dance with Devils', 'Dance! It's Your Stage', 'DanceDanceRevolution', 'DanceDanceRevolution II', 'DanceMasters', 'DanceStar Party', 'Dancing Blade II: Tears of Eden', 'Dancing With The Stars', 'Dancing on Ice', 'Dancing with the Stars: We Dance!', 'Danganronpa 2: Goodbye Despair', 'Danganronpa Another Episode: Ultra Despair Girls', 'Danganronpa: Trigger Happy Havoc', 'Dangerous Ji-San to 1000-nin no Otomodachi Yokoshima', 'Daniel X: The Ultimate Power', 'Danny Phantom: The Ultimate Enemy', 'Danny Phantom: Urban Jungle', 'Dante's Inferno', 'Darius Burs t: Chronicle Saviours', 'Darius Gaiden', 'Darius II', 'Dark Angel: Vampire Apocalypse', 'Dark Arena', 'Dark Cavern', 'Dark Cloud', 'Dark Cloud 2', 'Dark Ha lf', 'Dark Messiah of Might and Magic Elements', 'Dark Parables: The Exiled Prince', 'Dark Rift', 'Dark Sector', 'Dark Souls', 'Dark Souls II', 'Dark Souls III', 'Dark Summit', 'Dark Tales: Edgar Allan Poe's The Premature Burial', 'Dark Void', 'DarkStar One', 'DarkStar One: Broken Alliance', 'Darkened Skye', 'Darkest of Days', 'Darklight Conflict', 'Darksiders', 'Darksiders II', 'Darksiders: Warmastered Edition', 'Darkspore', 'Darkstalkers 3', 'Darkstalkers Ch ronicle: The Chaos Tower', 'Darkstalkers Resurrection', 'Darkstone', 'Darkwatch', 'Data East Arcade Classics', 'Data A Live: Arusu Install', 'Data A Live: R ine Utopia', 'Date-A-Live Twin Edition: Rio Reincarnation', 'Datenshi no Amai Yuuwaku x Kaikan Phrase', 'Dave Mirra BMX Challenge', 'Dave Mirra Freestyle B MX', 'Dave Mirra Freestyle BMX 2', 'Dave Mirra Freestyle BMX 3', 'Dave Mirra Freestyle BMX: Maximum Remix', 'Davis Cup Tennis', 'Dawn of Discovery', 'Dawn of Heroes', 'Dawn of Mana', 'Daxter', 'Daytona USA', 'Daytona USA Championship Circuit Edition', 'Dead Ball Zone', 'Dead Head Fred', 'Dead Island', 'Dead I sland Definitive Collection', 'Dead Island: Riptide', 'Dead Man's Hand', 'Dead Rising', 'Dead Rising 2', 'Dead Rising 2: Off the Record', 'Dead Rising 3', 'Dead Rising: Chop Till You Drop', 'Dead Space', 'Dead Space 2', 'Dead Space 3', 'Dead Space 3', 'Dead Space Extraction', 'Dead in the Water', 'Dead or Alive', 'Dead or Al ive 2', 'Dead or Alive 3', 'Dead or Alive 4', 'Dead or Alive 5', 'Dead or Alive Paradise', 'Dead or Alive Ultimate', 'Dead or Alive Xtreme 2', 'Dead or Ali ve Xtreme 3: Fortune', 'Dead or Alive Xtreme 3: Venus', 'Dead or Alive Xtreme Beach Volleyball', 'Dead or Alive: Dimensions', 'Dead to Rights', 'Dead to Ri ghts II', 'Dead to Rights: Reckoning', 'Dead to Rights: Retribution', 'Deadiest Catch: Alaskan Storm', 'Deadiest Catch: Sea of Chaos', 'Deadiest Warrio r: Ancient Combat', 'Deadly Arts', 'Deadly Creatures', 'Deadly Duck', 'Deadly Premonition', 'Deadpool', 'Deal or No Deal', 'Deal or No Deal: Special Editio n', 'Deal or No Deal: The Banker is Back!', 'Death By Degrees', 'Death Connection Portable', 'Death Jr.', 'Death Jr. II: Root of Evil', 'Death Jr. and the Science Fair of Doom', 'Death Jr.: Root of Evil', 'Death Trap', 'DeathSmiles', 'DeathSmiles II', 'Deathrow: Underground Team Combat', 'Deathtrap Dungeon', 'Deca Sports', 'Deca Sports 2', 'Deca Sports 3', 'Deca Sports DS', 'Deca Sports Extreme', 'Decathlete', 'Deception III: Dark Delusion', 'Deception IV: Bloo d Ties', 'Deep Fear', 'Deep Labyrinth', 'Deepak Chopra's Leela', 'Deer Drive', 'Deer Drive: Legends', 'Deer Hunter', 'Def Jam Fight For NY: The Takeover', 'Def Jam Icon', 'Def Jam Rapstar', 'Def Jam Vendetta', 'Def Jam: Fight for NY', 'DefCon 5', 'Defender', 'Defender II', 'Defendin' De Penguin', 'Defiance', 'Delta Force: Black Hawk Down', 'Dementium II', 'Dementium: The Ward', 'DemiKids: Dark Version', 'DemiKids: Light Version', 'Demigod', 'Demolition Company: Gold Edition', 'Demolition Racer', 'Demon Attack', 'Demon Chaos', 'Demon Driver: Time to Burn Rubber!', 'Demon Gaze', 'Demon Gaze 2', 'Demon's Souls', 'Den geki Bunko Fighting Climax', 'Dengeki Gakuen RPG: Cross of Venus', 'Dengeki Gakuen RPG: Cross of Venus Special', 'Denki Blocks!', 'Dennou Senki Virtual-On Force', 'Densetsu no Stafi', 'Densetsu no Stafi 2', 'Densetsu no Stafi 3', 'Densetsu no Stafi 4', 'Densetsu no Yuusha no Densetsu: Legendary Saga', 'Densha De Gol', 'Densha De Gol 2', 'Densha De Gol 3 Tsukinhen', 'Densha De Go! 64', 'Densha de Go! Shinkansen EX: Sanyou Shinkansen-hen', 'Densha de Go! Tokubets u-hen: Fukukatsu Showwa no Yamatenes', 'Deponia', 'Derby Jockey 2', 'Derby Jockey: Kishou e no Michi', 'Derby Stallion', 'Derby Stallion 04', 'Derby Stallio n 64', 'Derby Stallion 96', 'Derby Stallion 98', 'Derby Stallion 99', 'Derby Stallion Adventure', 'Derby Stallion DS', 'Derby Stallion Gold', 'Derby Stallion II', 'Derby Stallion III', 'Derby Stallion P', 'Derby Time 2006', 'Derby Tsuku 5: Derby Uma o Tsukurou!', 'Derby Tsuku: Derby Uma o Tsukurou!', 'Descent', 'Descent Maximum', 'Desert Falcon', 'Desert Strike Advance', 'Desire', 'Desktop Tower Defense', 'Despicable Me: The Game', 'Despicable Me: The Game - Minio n Mayhem', 'Destiny', 'Destiny Links', 'Destiny: The Collection', 'Destiny: The Taken King', 'Destrega', 'Destroy All Humans!', 'Destroy All Humans! 2', 'D estroy All Humans! Big Willy Unleashed', 'Destroy All Humans! Path of the Furon', 'Destruction Derby', 'Destruction Derby 2', 'Destruction Derby 64', 'Dest ruction Derby Arenas', 'Destruction Derby Raw', 'Detana TwinBee Yahoo! Deluxe Pack', 'Detective Barbie: The Mystery Cruise', 'Detective Conan: Marionette S ymphony', 'Detective Conan: Phantom Rhapsody', 'Detective Conan: Prelude from the Past', 'Detective Jinguuji Saburo: Ronde Revenge', 'Detective Opera: Milk y Holmes 2', 'Deus Ex', 'Deus Ex: Human Revolution', 'Deus Ex: Invisible War', 'Deus Ex: Mankind Divided', 'Deus Ex: The Conspiracy', 'Devil Dice', 'Devil Kings', 'Devil May Cry', 'Devil May Cry 2', 'Devil May Cry 3: Dante's Awakening', 'Devil May Cry 3: Dante's Awakening Special Edition', 'Devil May Cry 4', 'Devil May Cry HD Collection', 'Devil Survivor: Over Clock', 'Devil's Third', 'Dewy's Adventure', 'Dexter's Lab Chess Challenge', 'Dexter's Laboratory Dees aster Strikes', 'Di-Gata Defenders', 'DIRT', 'DIRT 2', 'DIRT 3', 'DIRT Rally', 'DIRT Rally 2', 'DIRT Showdown', 'Diablo', 'Diablo II', 'Diablo II: Lord of Destruction', 'D iablo III', 'Diabolik Lovers', 'Diabolik Lovers: Dark Fate', 'Diabolik Lovers: Lunatic Parade', 'Diabolik Lovers: More Blood', 'Diabolik Lovers: Vandead Ca rnival', 'Diary Girl', 'Diddy Kong Racing', 'Diddy Kong Racing DS', 'Die Hard Trilogy', 'Die Hard Trilogy 2: Viva Las Vegas', 'Die Hard: Vendetta', 'Dieg o's Build & Rescue', 'Dies Irae: Amantes Amentes', 'Dig Dug', 'Dig Dug: Digging Strike', 'Digger Simulator', 'Digging for Dinosaurs', 'Digimon Adventure', 'Digimon Adventure: Anode Tamer', 'Digimon All-Star Rumble', 'Digimon Battle Spirit 2', 'Digimon Digital Card Battle', 'Digimon Racing', 'Digimon Rumble Ar ena', 'Digimon Rumble Arena 2', 'Digimon Story: Cyber Sleuth', 'Digimon Story: Lost Evolution', 'Digimon Story: Super Xros Wars Blue/Red', 'Digimon World', 'Digimon World 2', 'Digimon World 4', 'Digimon World Championship', 'Digimon World DS', 'Digimon World DS (JP sales)', 'Digimon World Re:Digitize', 'Digimo n World Re:Digitize Decode', 'Digimon World: Data Squad', 'Digimon World: Dawn / Dusk', 'Digimon World: Next Order', 'Diner Dash: Flo on the Go', 'Diner Da sh: Sizzle & Serve', 'Dino Crisis', 'Dino Crisis 2', 'Dino Crisis 3', 'Dino Dini's Kick Off Revival', 'Dino Master: Dig Discover Duel', 'Dino Pets', 'Dino Stalker', 'Dinosaur King', 'Dinotopia: The Sunstone Odyssey', 'Dinotopia: The Timestone Pirates', 'Dirge of Cerberus: Final Fantasy VII', 'Disaster Repor t', 'Disaster: Day of Crisis', 'Disciples III: Renaissance', 'Discovery Kids: Dolphin Discovery', 'Discovery Kids: Kitten Corner', 'Discovery Kids: Parrot Pals', 'Discovery Kids: Pony Paradise', 'Discovery Kids: Puppy Playtime', 'Discovery Kids: Snake Safari', 'Discovery Kids: Spider Quest', 'Discworld', 'Dis cworld II: Mortality Bytes!', 'Disgaea 2: Cursed Memories', 'Disgaea 2: Dark Hero Days', 'Disgaea 3: Absence of Detention', 'Disgaea 3: Absence of Justic e', 'Disgaea 4: A Promise Unforgotten', 'Disgaea 5: Alliance of Vengeance', 'Disgaea D2: A Brighter Darkness', 'Disgaea DS', 'Disgaea Infinite', 'Disgaea: Afternoon of Darkness', 'Disgaea: Hour of Darkness', 'Dishonored', 'Dishonored 2', 'Disney Art Academy', 'Disney Channel Collection Vol. 1', 'Disney Channe l: All Star Party', 'Disney Fairies: Tinker Bell', 'Disney Fairies: Tinker Bell and the Great Fairy Rescue', 'Disney Fairies: Tinker Bell and the Lost Trea sure', 'Disney Friends', 'Disney Golf', 'Disney Guilty Party', 'Disney Infinity', 'Disney Infinity 2.0: Marvel Super Heroes', 'Disney Infinity 3.0', 'Disne y Magic World 2', 'Disney Magical World', 'Disney Planes Fire & Rescue', 'Disney Princess', 'Disney Princess: Enchanted Journey', 'Disney Princess: Enchant ing Storybooks', 'Disney Princess: Magical Jewels', 'Disney Sing It', 'Disney Sing It! High School Musical 3: Senior Year', 'Disney Sing It: Family Hits', 'Disney Sing It: Party Hits', 'Disney Sing It: Pop Hits', 'Disney Sports Basketball', 'Disney Sports Football', 'Disney Sports Skateboarding', 'Disney Spor ts Soccer', 'Disney Stitch Jam', 'Disney THINK Fast: The Ultimate Trivia Showdown', 'Disney Tangled', 'Disney Universe', 'Disney's 102 Dalmatians: Puppies to the Rescue', 'Disney's A Christmas Carol', 'Disney's Aladdin', 'Disney's Aladdin in Nasira's Revenge', 'Disney's American Dragon Jake Long: Attack of th e Dark Dragon', 'Disney's Atlantis: The Lost Empire', 'Disney's Brother Bear', 'Disney's Chicken Little', 'Disney's Chicken Little: Ace In Action', 'Disne y's Chip 'n Dale: Rescue Rangers', 'Disney's Cinderella: Magical Dreams', 'Disney's Donald Duck Advance', 'Disney's Donald Duck: Goin' Quackers', 'Disney's DuckTales', 'Disney's Extreme Skate Adventure', 'Disney's Hercules / Disney's The Jungle Book: Groove Party / A Bug's Life', 'Disney's Hide & Sneak', 'Disn ey's Home on the Range', 'Disney's Kim Possible 2: Drakken's Demise', 'Disney's Kim Possible 3: Team Possible', 'Disney's Kim Possible: Global Gemini', 'Di sney's Kim Possible: Kimcommunicator', 'Disney's Kim Possible: Revenge of Monkey Fist', 'Disney's Lilo & Stitch', 'Disney's Magical Mirror Starring Mickey Mou se', 'Disney's Magical Quest 2 Starring Mickey and Minnie', 'Disney's Magical Quest 3 Starring Mickey and Donald', 'Disney's Magical Quest Starring Mickey and Minnie', 'Disney's Meet the Robinsons', 'Disney's PK: Out of the Shadows', 'Disney's Party', 'Disney's Peter Pan: Return to Never Land', 'Disney's Plan es', 'Disney's Stitch: Experiment 626', 'Disney's Story Studio: Disney's Mulan', 'Disney's Tarzan', 'Disney's Tarzan / Disney's Aladdin in Nasira's Revenge / Disney's The Emperor's New Groove Action Game', 'Disney's Tarzan Untamed', 'Disney's Tarzan: Return to the Jungle', 'Disney's The Emperor's New Groove', 'Disney's The Haunted Mansion', 'Disney's The Jungle Book', 'Disney's The Lion King', 'Disney's The Lion King: Simba's Mighty Adventure', 'Disney's The Lit tle Mermaid: Ariel's Undersea Adventure', 'Disney's Treasure Planet', 'Disney's Winnie the Pooh's Rumbly Tumbly Adventure', 'Disruptor', 'Dissidia 012: Duo decim Final Fantasy', 'Dissidia: Final Fantasy', 'Dissidia: Final Fantasy Universal Tuning', 'Diva Girls: Divas on Ice', 'Divinity II: Ego Draconis', 'Divi nity II: Flames of Vengeance', 'Divinity II: The Dragon Knight Saga', 'Divinity: Original Sin', 'DmC: Devil May Cry', 'Do-Konjou Shougakussei: Bon Bit a - H adaka no Choujou Ketsusen!! Bit a vs. Dokuro Deil', 'DoDonPachi Dai-Oujou: Black Label Extra', 'DoDonPachi Daifukkatsu: Black Label', 'DoDonPachi Resurrecti on', 'DoDonPachi Sadaidajou', 'Doctor Lautrec and the Forgotten Knights', 'Doctor Who: Evacuation Earth', 'Doctor Who: Return to Earth', 'Dodge Racing: Ch arger vs Challenger', 'Dog's Life', 'Dogz', 'Dokapon Journey', 'Dokapon Kingdom', 'Doki Doki! PreCure Narikiri Life!', 'Doki Majo Plus', 'Doki Oki', 'Doki-Doki Universe', 'DokiDoki Majo Shinpan!', 'DokiDoki Majo Shinpan! 2', 'Doko Demo Issho', 'Doko Demo Issho: Let's Gakkou!', 'Doko Demo Issyo', 'DokuSui: Dok iDoki Suikoden', 'Dokuro', 'Dollar Dash', 'Dolly Kanon Dokidoki Tokimeki Himitsu no Ongaku Katsudou Start Desu!!', 'Dolphin', 'Domino Rally', 'Don Bradman Cricket 14', 'Don King Boxing', 'Don King Presents: Prizefighter', 'Donkey Kong', 'Donkey Kong 64', 'Donkey Kong Barrel Blast', 'Donkey Kong Classics', 'D onkey Kong Country', 'Donkey Kong Country 2', 'Donkey Kong Country 2: Diddy's Kong Quest', 'Donkey Kong Country 3', 'Donkey Kong Country 3: Dixie Kong's Do uble Trouble!', 'Donkey Kong Country Returns', 'Donkey Kong Country: Tropical Freeze', 'Donkey Kong GB: Dinky Kong & Dixie Kong', 'Donkey Kong Jr.', 'Donke y Kong Jungle Beat', 'Donkey Kong Jungle Climber', 'Donkey Kong Junior', 'Donkey Kong Land', 'Donkey Kong Land II', 'Donkey Kong Land III', 'Donkey Konga', 'Donkey Konga 2', 'Dood's Big Adventure', 'Doodle Hex', 'Doom', 'Doom (2016)', 'Doom 3', 'Doom 3 BFG Edition', 'Doom 3: Resurrection of Evil', 'Doom 64', 'Doom II: Hell on Earth', 'Dora & Kai-Lan's Pet Shelter', 'Dora The Explorer: Dora Saves the Snow Princess', 'Dora the Explorer: Dora Puppy', 'Dora the Ex plorer: Dora Saves the Crystal Kingdom', 'Dora the Explorer: Dora Saves the Mermaids', 'Dora the Explorer: Game Boy Advance Video Volume 1', 'Dora the Expl orer: Journey to the Purple Planet', 'Dora the Explorer: Super Spies', 'Dora the Explorer: Super Star Adventures', 'Dora the Explorer: The Search for Pirat e Pig's Treasure', 'Dora's Big Birthday Adventure', 'Dora's Cooking Club', 'DoraMoj: Nobita no Kanji Daisakusen', 'Dorabase 2: Nettou Ultra Stadium', 'Dor abase DS: Dramatic Stadium', 'Doraemon', 'Doraemon 2: Nobita no Toizuruden Daibouken', 'Doraemon 3: Nobi Dabi no Machi SOS!', 'Doraemon 4: Nobita to Toki no Okoku', 'Doraemon Wii: Himitsu Douguou Ketteisen!', 'Doraemon: Nobita and the Island of Miracles', 'Doraemon: Nobita no Kyouryuu 2006 DS', 'Doraemon: Nobit a no Shin Makai Daibouken DS', 'Doraemon: Nobita no Uchuu Eiyouki', 'Doraemon: Nobita to Himitsu Dougu Hakuibutsukan', 'Doraemon: Nobita to Midori no Kyojin den DS', 'Doraemon: Shin Nobita no Daimakyou Peko to 5-nin no Tankenta', 'Doraemon: Shin Nobita no Nihon Tanjou', 'Doshin the Giant', 'Double Dragon', 'Dou

ble Dragon Advance', 'Double Pack: Finding Nemo / The Incredibles', 'Double Sequence: The Q-Virus Invasion', 'Double Value!: ATV Thunder Ridge Riders / Monster Trucks Mayhem', 'Doubutsu no Mori', 'Dokoku Shoshite...', 'Doukyuusei', 'Doukyuusei 2', 'Doukyuusei if', 'Downforce', 'Downhill Domination', 'Downstr eam Panic!', 'Downtown Nekketsu Jidaigek', 'Downtown Nekketsu Koushinkyoku: Soreyuke Daiundoukai All-Star Special', 'Downtown no Gaki no Tsukai Yaaran de e! Zettai ni Tsukamatte Haikenai Gasu Kurobikari Land', 'Dr. Mario', 'Dr. Mario / Puzzle League', 'Dr. Mario 64', 'Dr. Muto', 'Dr. Seuss' The Cat in the Hat', 'Dr. Seuss: Green Eggs and Ham', 'Dr. Seuss: How the Grinch Stole Christmas', 'Dr. Slump & Arale-Chan', 'Draglade', 'Draglade (JP sales)', 'Dragon Age II', 'Dragon Age Origins: Awakening', 'Dragon Age: Inquisition', 'Dragon Age: Origins', 'Dragon Age: Origins - Ultimate Edition', 'Dragon Ball GT: Final Bout', 'Dragon Ball GT: Game Boy Advance Video Volume 1', 'Dragon Ball GT: Transformation', 'Dragon Ball Heroes: Ultimate Mission', 'Dragon Ball Heroes: Ultimate Mission 2', 'Dragon Ball Kai: Ultimate Butouden', 'Dragon Ball Z', 'Dragon Ball Z Hyper Dimension', 'Dragon Ball Z Super Gokuden: Kakusei-Hen', 'Dragon Ball Z for Kinect', 'Dragon Ball Z: Attack of the Saiyans', 'Dragon Ball Z: Battle of Z', 'Dragon Ball Z: Budokai', 'Dragon Ball Z: Budokai 2', 'Dragon Ball Z: Budokai 3', 'Dragon Ball Z: Budokai Tenkaichi', 'Dragon Ball Z: Budokai Tenkaichi 2', 'Dragon Ball Z: Budokai Tenkaichi 2 (JP sales)', 'Dragon Ball Z: Budokai Tenkaichi 3', 'Dragon Ball Z: Burst Limit', 'Dragon Ball Z: Buu's Fury', 'Dragon Ball Z: Buu's Fury / Dragon Ball GT: Transformation', 'Dragon Ball Z: Chou Saiya Denetsu', 'Dragon Ball Z: Collectible Card Game', 'Dragon Ball Z: Extreme Butoden', 'Dragon Ball Z: Harukanaru Densetsu', 'Dragon Ball Z: Harukanaru Densetsu (JP sales)', 'Dragon Ball Z: Idainaru Dragon Ball Densetsu', 'Dragon Ball Z: Infinite World', 'Dragon Ball Z: La Legende Saien', 'Dragon Ball Z: Sagas', 'Dragon Ball Z: Shin Budokai', 'Dragon Ball Z: Shin Budokai - Another Road', 'Dragon Ball Z: Shin Butouden', 'Dragon Ball Z: Supersonic Warriors', 'Dragon Ball Z: Supersonic Warriors 2', 'Dragon Ball Z: Taiketsu', 'Dragon Ball Z: Tenkaichi Tag Team', 'Dragon Ball Z: The Legacy of Goku', 'Dragon Ball Z: The Legacy of Goku I & II', 'Dragon Ball Z: The Legacy of Goku II', 'Dragon Ball Z: Ultimate Tenkaichi', 'Dragon Ball Z: Ultime Menace', 'Dragon Ball: Advanced Adventure', 'Dragon Ball: Daimaou Fukkatsu', 'Dragon Ball: Evolution', 'Dragon Ball: Fusions', 'Dragon Ball: Origins', 'Dragon Ball: Origins (JP & incomplete US sales)', 'Dragon Ball: Origins 2', 'Dragon Ball: Raging Blast', 'Dragon Ball: Raging Blast 2', 'Dragon Ball: Revenge of King Piccolo', 'Dragon Ball: Xenoverse', 'Dragon Ball: Xenoverse 2', 'Dragon Blade: Wrath of Fire', 'Dragon Booster', 'Dragon Force', 'Dragon Force II: Kamisari shi Daichi ni', 'Dragon Quest & Final Fantasy in Itadaki Street Portable', 'Dragon Quest 25 Shuunen Kinin: Famicom & Super Famicom Dragon Quest I-II-III', 'Dragon Quest Builders: Revive Alefgard', 'Dragon Quest Characters: Torneko no Daibouken 3: Fushigi no Dungeon', 'Dragon Quest Heroes II: Twin Kings and the Prophecy's End', 'Dragon Quest Heroes: Rocket Slime', 'Dragon Quest Heroes: The World's Tree Woe and the Blight Below', 'Dragon Quest I & II', 'Dragon Quest III: Soshite Densetsu e...', 'Dragon Quest IV: Chapters of the Chosen', 'Dragon Quest IV: Michibikareshi Monotachi', 'Dragon Quest IX: Sentinels of the Starry Skies', 'Dragon Quest Monsters 1-2', 'Dragon Quest Monsters 2', 'Dragon Quest Monsters Joker 3', 'Dragon Quest Monsters: Battle Road Victory', 'Dragon Quest Monsters: Caravan Heart', 'Dragon Quest Monsters: Joker', 'Dragon Quest Monsters: Joker 2', 'Dragon Quest Monsters: Joker 2 Professional', 'Dragon Quest Monsters: Terry's Wonderland 3D', 'Dragon Quest Swords: The Masked Queen and the Tower of Mirrors', 'Dragon Quest V: Hand of the Heavenly Bride', 'Dragon Quest V: Tenkuu no Hanayome', 'Dragon Quest VI: Maboroshi no Daichi', 'Dragon Quest VI: Realms of Revelation', 'Dragon Quest VII: Warriors of Eden', 'Dragon Quest VIII: Journey of the Cursed King', 'Dragon Quest X', 'Dragon Quest X: All in One Package', 'Dragon Quest: Shounen Yangus to Fushigi no Dungeon', 'Dragon Rage', 'Dragon Shadow Spell', 'Dragon Slayer: The Legend of Heroes', 'Dragon Tales: Dragon Adventures', 'Dragon Tales: Dragon Seek', 'Dragon Tamer: Sound Spirit', 'Dragon Valor', 'Dragon Warrior', 'Dragon Warrior I&II', 'Dragon Warrior II', 'Dragon Warrior III', 'Dragon Warrior IV', 'Dragon Warrior Monsters', 'Dragon Zakura DS', 'Dragon's Crown', 'Dragon's Dogma', 'Dragon's Dogma Online', 'Dragon's Dogma Online: Season 2', 'Dragon's Lair', 'Dragon's Lair 3D: Return to the Lair', 'Dragon's Lair Trilogy', 'DragonHeart: Fire & Steel', 'Dragonfire', 'Dragonfire', 'Dragonseeds', 'Dragster', 'Drak an: The Ancients' Gates', 'Drake & Josh: Talent Showdown', 'Drake of the 99 Dragons', 'Drakengard', 'Drakengard 2', 'Drakengard 3', 'Drakensang: The Dark Eye', 'Drama Queens', 'Dramatic Dungeon: Sakura Wars - Kimi Arugatame', 'Dramatic Soccer Game: Nippon Daihyoushushu Ninarou!', 'Dramatical Murder Re:code', 'Drawn to Life: SpongeBob SquarePants Edition', 'Drawn to Life', 'Drawn to Life Collection', 'Drawn to Life: The Next Chapter', 'Dream C Club', 'Dream Club Portable', 'Dream C Club Zero', 'Dream C Club: GoGo', 'Dream Chronicles', 'Dream Club Zero Portable', 'Dream Dance & Cheer', 'Dream Dancer', 'Dream Day: Wedding Destinations', 'Dream Girl Premier', 'Dream Pinball 3D', 'Dream Salon', 'Dream Trigger 3D', 'DreamWorks Super Star Kartz', 'Dreamcast Collection', 'Dreamer Series: Babysitter', 'Dreamer Series: Horse Trainer', 'Dreamer Series: Pop Star', 'Dreamer Series: Puppy Trainer', 'Dreamer Series: Shop Owner', 'Dreamer Series: Teacher', 'Dreamer Series: Top Model', 'Dreamer Series: Zoo Keeper', 'Dreamfall: The Longest Journey', 'Dreamworks 2-in-1 Party Pack', 'Dreamworks Madagascar Kartz', 'Drift King Shutokou Battle '94', 'Drill Dozer', 'Drive3', 'DriveClub', 'DriveClub VR', 'Driven', 'Driver', 'Driver '76', 'Driver 2', 'Driver 2 Advance', 'Driver: Parallel Lines', 'Driver: Renegade', 'Driver: San Francisco', 'Drivers Ed Portable', 'Driving Emotion Type-S', 'Driving Simulator 2011', 'Drome Racers', 'Drone Tactics', 'DropCast', 'Dropship: United Peace Force', 'DrumMania', 'DrumMania 7th Mix', 'Dual Hearts', 'Dual Heroes', 'DualPenSports', 'Ducati Moto', 'Ducati World Racing Challenge', 'Duck Hunt', 'DuckTales: Remastered', 'Duel Love: Koisuru Otome wa Shouri no Megami', 'Duel Masters', 'Duel Masters: Kaijudo Showdown', 'Duel Masters: Sempai Legends', 'Duel Masters: Shadow of the Code', 'Duke Nukem 3D: 20th Anniversary World Tour', 'Duke Nukem 64', 'Duke Nukem Forever', 'Duke Nukem Trilogy: Critical Mass', 'Duke Nukem: Land of the Babes', 'Duke Nukem: Time to Kill', 'Duke Nukem: Total Meltdown', 'Duke Nukem: Zero Hour', 'Dunamis 15', 'Dune 2000', 'Dungeon Defenders', 'Dungeon Explorer: Warriors of Ancient Arts', 'Dungeon Hunter Alliance', 'Dungeon Keeper 2', 'Dungeon Maker II: The Hidden War', 'Dungeon Maker: Hunting Ground', 'Dungeon Raiders', 'Dungeon Siege II', 'Dungeon Siege III', 'Dungeon Siege: Throne of Agony', 'Dungeon Travelers 2: The Royal Library & The Monster Seal', 'Dungeons', 'Dungeons & Dragons Heroes', 'Dungeons & Dragons Tactics', 'Dungeons & Dragons: Eye of the Beholder', 'Dungeons & Dragons: Neverwinter Nights - Complete', 'Dungeons & Dragons: Shadow over Mystara', 'Dungeons - The Dark Lord', 'Dungeons 2', 'Duraranai! 3-way Standoff', 'Duraranai! 3way Standoff: Alley', 'Duraranai! Relay', 'Dying Light', 'Dynamite Headdy', 'Dynasty Tactics', 'Dynasty Tactics 2', 'Dynasty Warriors', 'Dynasty Warriors 2', 'Dynasty Warriors 3', 'Dynasty Warriors 3: Xtreme Legends', 'Dynasty Warriors 4', 'Dynasty Warriors 4 Empires', 'Dynasty Warriors 4: Xtreme Legends', 'Dynasty Warriors 5', 'Dynasty Warriors 5 Empires', 'Dynasty Warriors 5: Xtreme Legends', 'Dynasty Warriors 6', 'Dynasty Warriors 6 (JP sales)', 'Dynasty Warriors 6 Empires', 'Dynasty Warriors 7', 'Dynasty Warriors 7: Empires', 'Dynasty Warriors 7: Xtreme Legends', 'Dynasty Warriors 8', 'Dynasty Warriors 8: Empires', 'Dynasty Warriors 8: Xtreme Legends', 'Dynasty Warriors Advance', 'Dynasty Warriors DS: Fighter's Battle', 'Dynasty Warriors Gundam', 'Dynasty Warriors Next', 'Dynasty Warriors Vol. 2', 'Dynasty Warriors Vol. 2 (JP sales)', 'Dynasty Warriors Vs', 'Dynasty Warriors: Eiketsuden', 'Dynasty Warriors: Gundam', 'Dynasty Warriors: Gundam 2', 'Dynasty Warriors: Gundam 3', 'Dynasty Warriors: Gundam Reborn', 'Dynasty Warriors: Strikeforce', 'E.T. The Extra-Terrestrial', 'E.T. The Extra-Terrestrial: Interplanetary Mission', 'E.T.: The Extra Terrestrial', 'E.X. Troopers', 'E0: Enemy Zero', 'EA Playground', 'EA Replay', 'EA Sports Active', 'EA Sports Active 2', 'EA Sports Active nFL Training Camp', 'EA Sports Active: More Workouts', 'EA Sports Grand Slam Tennis', 'EA Sports MMA', 'EA Sports UFC', 'EA Sports UFC 2', 'ECW Anarchy Rulz', 'ECW Hardcore Revolution', 'ESA Foundation Compilation', 'ESA Game Pack', 'ESPN College Hoops', 'ESPN College Hoops 2K5', 'ESPN Extreme Games', 'ESPN Final Round Golf 2002', 'ESPN Great Outdoor Games Bass 2002', 'ESPN International Track & Field', 'ESPN International Winter Sports 2002', 'ESPN MLB Baseball', 'ESPN MLS ExtraTime 2002', 'ESPN NBA 2K5', 'ESPN NBA 2Night', 'ESPN NBA 2Night 2002', 'ESPN NBA Basketball', 'ESPN NFL 2K5', 'ESPN NFL Football', 'ESPN NFL Primetime 2002', 'ESPN NHL 2K5', 'ESPN NHL Hockey', 'ESPN National Hockey Night', 'ESPN Winter X Games: Snowboarding 2002', 'ESPN Winter X Games: Snowboarding 2002', 'ESPN X Games Skateboarding', 'ESPN X-Games Pro Boarder', 'ESPN: Sports Connection', 'EVE Online', 'EVE: Valkyrie', 'EVE: burst-error', 'E X Monopoly', 'Eagle Flight', 'Earth Defense Force 2017', 'Earth Defense Force 2017 (old JP sales)', 'Earth Defense Force 2017 Portable', 'Earth Defense Force 2025', 'Earth Defense Force 2025.1: The Shadow of New Despair', 'Earth Defense Force 2: Invaders from Planet Space', 'Earth Defense Force 4.1: The Shadow of New Despair', 'Earth Defense Force: Insect Armageddon', 'Earth Seeker', 'EarthBound', 'Earthworm Jim', 'Earthworm Jim 2', 'Earthworm Jim 3D', 'East India Company', 'East India Company Collection', 'Easy Piano', 'Eat Lead: The Return of Matt Hazard', 'Ebikore Photo Kano Kiss', 'Ecco the Dolphin', 'Ecco the Dolphin: Defender of the Future', 'Ecco: The Tides of Time', 'Echo Night', 'Echo Night Beyond', 'Eco Creatures: Save the Forest', 'Ed, Edd n Eddy: Jawbreaker!', 'Ed, Edd n Eddy: The Mis-Edventures', 'Edna & Harvey: Harvey's New Eyes', 'Egg Mania: Eggstreme Madness', 'Egg Monster Hero', 'Ehrgeiz', 'Eigo de Tabisuru: Little Charo', 'Eikan wa Kimini 2002: Koshien no Kodou', 'Eiken DS', 'Einhänder', 'Eiyuu Densetsu: Sora no Kiseki Material Collection Portable', 'El Shaddai: Ascension of the Metatron', 'El Tigre: The Adventures of Manny Rivera', 'Elebits', 'Elebits: The Adventures of Kai and Zero', 'Electroplankton', 'Element Girl: Love, Fashion and Friends', 'Element Hunter', 'Elemental Gearbolt', 'Elements of Destruction', 'Elf Bowling 1 & 2', 'Elf: The Movie', 'Elite Beat Agents', 'Elite Forces: Unit 77', 'Elkrono no Atelier: Dear for Otomate', 'Elminage Gothic: Ulm Zakir to Yami no Gishiki', 'Elminage II DS Remix: Sousai no Megami to Unmei no Daichi', 'Elminage II: Sousai no Megami to Unmei no Daichi', 'Elminage III: Ankoku no Shito to Yaiyou no Kyuden', 'Elminage Original: Majo to Megami to Kamigami no Yubiwa', 'Elvandia Story', 'Elven Legacy', 'Elven Legacy Collection', 'Emblem of Gundam', 'Emergency 2012', 'Emergency Heroes', 'Emergency Mayhem', 'Emergency Room: Real Life Rescues', 'Emergency! Disaster Rescue Squad', 'Emily Archer and the Curse of Tutankhamun', 'Emily of the Strange: Strangerous', 'Emma at the Farm', 'Empire Deluxe', 'Empire Earth', 'Empire Earth II', 'Empire Earth III', 'Empire: Total War', 'Enchanted Arms', 'Enchanted Arms (JP sales)', 'Enclave', 'End of Nations', 'Endgame', 'Endless Ocean', 'Endless Ocean: Blue World', 'Enduro', 'Enemy Front', 'Enemy Territory: Quake Wars', 'Ener-G Horse Riders', 'Ener-G: Dance Squad', 'Ener-G: Gym Rockets', 'English Training: Have Fun Improving Your Skills!', 'Enkaku Sous a: Sana e no 23 Hiai', 'Ennichi no Tatsujin', 'Enslaved: Odyssey to the West', 'Entaku no Seito: Students of Round', 'Entaku no Seito: The Eternal Legend', 'Enter the Matrix', 'Enthusia Professional Racing', 'Ephemeral Fantasia', 'Epic Mickey', 'Epic Mickey 2: The Power of Two', 'Epic Mickey: Power of Illusion', 'Epidemic', 'Eragon', 'Escape Dead Island', 'Escape From Monkey Island', 'Escape The Museum', 'Escape from Bug Island', 'Escape the Emerald Star', 'Espaluda II Black Label', 'Eternal Darkness: Sanity's Requiem', 'Eternal Eyes', 'Eternal Poison', 'Eternal Poison (JP sales)', 'Eternal Ring', 'Eternal Sonat', 'Etrian Mystery Dungeon', 'Etrian Odyssey', 'Etrian Odyssey 2 Untold: Knight of Fafnir', 'Etrian Odyssey II: Heroes of Lagaard', 'Etrian Odyssey III: The Drowned City', 'Etrian Odyssey IV: Legends of the Titans', 'Etrian Odyssey Untold: The Millennium Girl', 'Etrian Odyssey V', 'Eureka Seven AO: Jungfrau no Hanabatatashi', 'Eureka Seven Vol. 2: The New Vision', 'Euro Truck Simulator', 'Euro Truck Simulator 2', 'Europa Universalis III Complete', 'Evangelion: Jo', 'Eve: Burst Error R', 'Eve: The Lost One', 'Even in a Game Listen to Me Girls. I Am Your Father!', 'EverBlue 2', 'EverGrace', 'EverQuest II: Destiny of Velious', 'EverQuest Online Adventures', 'EverQuest Online Adventures: Frontiers', 'Every Extend Extra', 'Everybody Dance', 'Evil Dead: Fistfull of Boomstick', 'Evil Dead: Hail to the King', 'Evil Dead: Regeneration', 'Evil Genius', 'Evil Zone', 'Evolution Skateboarding', 'Evolution Snowboarding', 'Evolution Worlds', 'Evolve', 'Excite Truck', 'ExciteBots: Trick Racing', 'Excitebike', 'Excitebike 64', 'ExerBeat', 'Exhibition', 'Exhibition Volume 02', 'Exhibition Volume 03', 'Exhibition Volume 4', 'Exhibition Volume 5', 'Exhibition Volume 6', 'Exist Archive: The Other Side of the Sky', 'Exit', 'Exit DS', 'Expendable', 'Exstetra', 'Extermination', 'Extra Bases', 'Extreme Pinball', 'Extreme-G', 'Extreme-G: XG2', 'EyeCreate', 'EyePet', 'EyePet & Friends', 'EyeToy Play', 'EyeToy Play 2', 'EyeToy: AntiGrav', 'EyeToy: Groove', 'EyeToy: Kinetic', 'EyeToy: Operation Spy', 'Eyeshield 21: DevilBats DevilDays', 'Eyeshield 21: Field Saikyou no Senshi Tachi', 'Eyeshield 21: Max Devil Power', 'Eyeshield 21: Portable Edition', 'E.O.E: Eve of Extinction', 'F-1 Grand Prix', 'F-1 Race', 'F-1 World Grand Prix', 'F-14 Tomcat', 'F-Zero', 'F-Zero GX', 'F-Zero X', 'F-Zero: GP Legend', 'F-Zero: Maximum Velocity', 'F.E.A.R.', 'F.E.A.R. 2: Project Origin', 'F.E.A.R. 3', 'F.E.A.R. 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Party', 'Fade to Black', 'Fading Shadows', 'FairlyLife: MiracleDays', 'Fairly Fencer F', 'Fairly Fencer F: Advent Dark Force', 'Fairly Tail: Portable Guild', 'Fairly Tail: Portable Guild 2', 'Fairly Tail: Zelf Kakusei', 'Fairytale Fights', 'Falcon 4.0: Allied Force', 'Fallout 3', 'Fallout 3 Game Add-On Pack: Broken Steel and Point Lookout', 'Fallout 3 Game Add-On Pack: The Pitt and Operation: Anchorage', 'Fallout 4', 'Fallout Anthology', 'Fallout Trilogy', 'Fallout: Brotherhood of Steel', 'Fallout: New Vegas', 'Famicom Jump: Eiyuu Rettsuden', 'Famicom Mini: Adventure Island', 'Famicom Mini: Balloon Fight', 'Famicom Mini: Clu Clu Land', 'Famicom Mini: Dig Dug', 'Famicom Mini: Famicom Mukashi Banashi - Shin Oniga Shima Zenkouden', 'Famicom Mini: Famicom Tantei Club - Kieta Koukei

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Karakuri Douchuu', 'Famicom M ini: Hikari Shinwa: Palutena no Kagami', 'Famicom Mini: Makaimura', 'Famicom Mini: Mappy', 'Famicom Mini: Mario Bros.', 'Famicom Mini: Nazo no Murasame-Jo u', 'Famicom Mini: SD Gundam World Gachapon Senshi - Scramble Wars', 'Famicom Mini: Star Soldier', 'Famicom Mini: Super Mario Bros. 2', 'Famicom Mini: Twin Bee', 'Famicom Mini: Wrecking Crew', 'Famicom Remix Best Choice', 'Family Fest Presents Circus Games', 'Family Fest presents: Movie Games', 'Family Feud De cades', 'Family Feud: 2010 Edition', 'Family Feud: 2012 Edition', 'Family Fortunes', 'Family Fun Football', 'Family Game Night 4: The Game Show', 'Family G ameShow', 'Family Guy', 'Family Guy: Back to the Multiverse', 'Family Jockey', 'Family Party: 30 Great Games', 'Family Party: 30 Great Games Outdoor Fun', 'Family Party: 30 Great Games Winter Fun', 'Family Party: 90 Great Games Party Pack', 'Family Party: Fitness Fun', 'Family Trainer: Treasure Adventure', 'Famista '91', 'Famista '92', 'Famista 64', 'Famista Returns', 'Fancy Nancy: Tea Party Time!', 'Fantasia: Music Evolved', 'Fantastic 4', 'Fantastic 4: Fla me On', 'Fantastic Four', 'Fantastic Four: Rise of the Silver Surfer', 'Fantastic Pets', 'Fantastic Voyage', 'Fantasy Aquarium World', 'Fantasy Aquarium by DS', 'Fantasy Life', 'Fantavision', 'Far Cry', 'Far Cry 2', 'Far Cry 3', 'Far Cry 4', 'Far Cry Instincts', 'Far Cry Instincts Evolution', 'Far Cry Instinct s Predator', 'Far Cry Vengeance', 'Far Cry: Primal', 'Far East of Eden II: Manji Maru', 'Far East of Eden Shinden', 'Far East of Eden Zero', 'Farm Frenzy', 'Farm Frenzy 3', 'Farm Frenzy: Animal Country', 'Farming 2017 - The Simulation', 'Farming Simulator 15 Expansion Pack', 'Farming Simulator 17', 'Farming Si mulator 2011', 'Farming Simulator 2012', 'Farming Simulator 2013', 'Farming Simulator 2014', 'Farming Simulator 2015', 'Farmtopia', 'Fashion Studio: Paris Collection', 'Fashion Week Jr. Designer', 'Fashionable Puppy: Oshare na Koinu DS', 'Fast & Furious: Showdown', 'Fast Food', 'Fast Food Panic', 'Fast Racin g Neo', 'Fat Princess: Fistful of Cake', 'Fatal Frame', 'Fatal Frame 2: Wii Edition', 'Fatal Frame II: Crimson Butterfly', 'Fatal Frame II: Crimson Butter fly Director's Cut', 'Fatal Frame III: The Tormented', 'Fatal Frame: Maiden of Black Water', 'Fatal Fury', 'Fatal Fury 2', 'Fatal Fury Special', 'Fatal Fur y: Battle Archives Volume 1', 'Fatal Fury: Battle Archives Volume 1 (JP sales)', 'Fatal Fury: Battle Archives Volume 2', 'Fatal Fury: Battle Archives Volum e 2 (JP sales)', 'Fatal Fury: Wild Ambition', 'Fatal Inertia', 'Fate/Extella: The Umbral Star', 'Fate/Extra', 'Fate/Extra CCC', 'Fate/Stay Night [Réalta Nu a]', 'Fate/Tiger Colosseum', 'Fate/Tiger Colosseum Upper', 'Fate/Unlimited Codes', 'Fate/Unlimited Codes Portable', 'Fate/hollow ataraxia', 'Fate/kaleid li ner Prisma Illya', 'Fear Effect', 'Fear Effect 2: Retro Helix', 'Fear Factor: Unleashed', 'Feel the Magic XY/XX', 'Felony 11-79', 'Fennbus Simulator', 'Fer rari Challenge Trofeo Pirelli', 'Ferrari Challenge Trofeo Pirelli Deluxe', 'Ferrari F355 Challenge', 'Ferrari: The Race Experience', 'Festa! Hyper Girls P arty', 'Field & Stream: Total Outdoorsman Challenge', 'Field Commander', 'Fifi and the Flowertots', 'Fight Club', 'Fight Night 2004', 'Fight Night Champio n', 'Fight Night Round 2', 'Fight Night Round 2004', 'Fight Night Round 3', 'Fight Night Round 4', 'Fighter Destiny 2', 'Fighter Maker', 'Fighter Maker 2', 'Fighter Within', 'Fighters Destiny', 'Fighters MEGAMIX', 'Fighters Uncaged', 'Fighting Fantasy: The Warlock of Firetop Mountain', 'Fighting Force', 'Fighting Force 2', 'Fighting Force 64', 'Fighting Vipers', 'Fighting Vipers 2', 'Final Approach 2: 1st Priority', 'Final Doom', 'Final Fantasy', 'Final Fantasy Adventure', 'Final Fantasy Anniversary Edition', 'Final Fantasy Anthology', 'Final Fantasy Chronicles', 'Final Fantasy Collection', 'Final Fantasy Crystal Chronicles: Echoes of Time', 'Final Fantasy Crystal Chronicles: Ring of Fates', 'Final Fantasy Crystal Chronicles: The Crystal Bearers', 'Final Fantasy Exp lorers', 'Final Fantasy Fables: Chocobo Tales', 'Final Fantasy Fables: Chocobo's Dungeon', 'Final Fantasy I & II', 'Final Fantasy I & II: Dawn of Souls', 'Final Fantasy II', 'Final Fantasy II Anniversary Edition', 'Final Fantasy III', 'Final Fantasy IV', 'Final Fantasy IV Advance', 'Final Fantasy IV: The Co mplete Collection', 'Final Fantasy IX', 'Final Fantasy Legend III', 'Final Fantasy Tactics', 'Final Fantasy Tactics A2: Grimoire of the Rift', 'Final Fanta sy Tactics Advance', 'Final Fantasy Tactics: The War of the Lions', 'Final Fantasy Type-0', 'Final Fantasy V', 'Final Fantasy V Advance', 'Final Fantasy VI', 'Final Fantasy VI Advance', 'Final Fantasy VII', 'Final Fantasy VII International', 'Final Fantasy VIII', 'Final Fantasy X', 'Final Fantasy X / X-2 HD Remaster', 'Final Fantasy X International', 'Final Fantasy X-2', 'Final Fantasy X-2: International + Last Mission', 'Final Fantasy X/X-2 HD Remaster', 'Fi nal Fantasy XI', 'Final Fantasy XI: All-In-One Pack 2006', 'Final Fantasy XI: Chains of Promathia', 'Final Fantasy XI: Rise of the Zilart', 'Final Fantasy XI: Treasures of Aht Urhgan', 'Final Fantasy XI: Ultimate Collection', 'Final Fantasy XI: Vana'diel Collection 2008', 'Final Fantasy XI: Wings of the Godd ess', 'Final Fantasy XII', 'Final Fantasy XII International Zodiac Job System', 'Final Fantasy XII: Revenant Wings', 'Final Fantasy XIII', 'Final Fantasy X III-2', 'Final Fantasy XIV: A Realm Reborn', 'Final Fantasy XIV: Heavensward', 'Final Fantasy: Crystal Chronicles', 'Final Fantasy: The 4 Heroes of Light', 'Final Fight', 'Final Fight 2', 'Final Fight One', 'Final Fight: Streetwise', 'Finding Nemo', 'Finding Nemo: Escape to the Big Blue', 'Finding Nemo: The Con ntinuing Adventures', 'Finny the Fish & the Seven Waters', 'Fire Emblem', 'Fire Emblem: Awakening', 'Fire Emblem: Fuuin no Tsurugi', 'Fire Emblem: Monsh? 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Asobi Collection', 'Freshly-Picked: Tingle's Rosy Rupeeland', 'Friend Collection', 'Friends: The One with All the Trivia', 'Frisbee Disc Freestyle / Frisbee Disc Golf', 'Fritz Chess', 'Frogge r', 'Frogger 2: Swampy's Revenge', 'Frogger 3D', 'Frogger Advance: The Great Quest', 'Frogger Beyond', 'Frogger II: Threedeeep!', 'Frogger's Adventures 2: The Lost Wand', 'Frogger's Adventures: Temple of the Frog', 'Frogger's Adventures: The Rescue', 'Frogger's Journey: The Forgotten Relic', 'Frogger: Ancien t Shadow', 'Frogger: Helmet Chaos', 'Frogger: The Great Quest', 'Frogs And Flies', 'From Russia With Love', 'From TV Animation One Piece: Grand Battle 2', 'From TV Animation One Piece: Grand Battle! 3', 'From TV Animation One Piece: Tobidase Kaizokudan!', 'From TV Animation One Piece: Treasure Battle!', 'Fro m TV Animation One Piece: Yume no Luffy Kaizokudan Tanjou!', 'From The Abyss', 'Front Line', 'Front Mission', 'Front Mission 2', 'Front Mission 2089: Border of Madness', 'Front Mission 3', 'Front Mission 4', 'Front Mission 5: Scars of the War', 'Front Mission Alternative', 'Front Mission Evolved', 'Front Missio n: Gun Hazard', 'Frontier Gate', 'Frontlines: Fuel of War', 'Frostbite', 'Fuel', 'Fugitive Hunter: War on Terror', 'Fujiko F. 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Kagaku: Nazotoki Quiz Training - NazoTore', 'Futurama', 'Future Card Buddy Fight: Yuu jou no Bakunetsu Fight', 'Future Cop L.A.P.D.', 'Future Tactics: The Uprising', 'Fuun Shinsengumi Bakumatsuden Portable', 'Fuuraiki 3', 'Fuzion Frenzy', 'F uzion Frenzy 2', 'G Darius', 'G-Fore', 'G-Police', 'G-Police: Weapons of Justice', 'G-Saviour', 'G.I. Joe: The Rise of Cobra', 'G1 Grand Prix', 'G1 Jockey 2', 'G1 Jockey 3', 'G1 Jockey 4 2007', 'G1 Jockey 4 2008', 'G1 Jockey Wii', 'GA - Geijutsuka Art Design Class: Slapstick Wonder Land', 'GOTHA: Ismailia Sen eki', 'GRID', 'GRID 2', 'GRID Autosport', 'GT Advance 2: Rally Racing', 'GT Advance 3: Pro Concept Racing', 'GT Advance Championship Racing', 'GT Legends', 'GT Pro Series', 'GT64 Championship Edition', 'GTII Club: Supermini Festal', 'GTR Evolution', 'Gabrielle's Ghostly Groove 3D', 'Gacharoku', 'GachiTora! Abar enbou Kyoushi in High School', 'Gadget Racers', 'Gadget Racers (PAL)', 'Gaia Saver Hero Saidai no Sakusen', 'Gaist Crusher', 'Gaist Crusher God', 'Gakken D S: Shin TOEIC Test Kanzen Kouryaku', 'Gaku ? Ou: The Royal Seven Stars', 'Gakuen Alice: Wakuwaku \* Happy Friends', 'Gakuen Hetalia', 'Gakuen Hetalia Portab le', 'Gakuen K: Wonderful School Days', 'Gakusen Toshi Asterisk Festa: Houka Kenran', 'Gal Gun', 'Gal Gun: Double Peace', 'Gal\*Gun', 'Galactic Attack', 'Ga lactic Taz Ball', 'Galactic Wrestling: Featuring Ultimate Metal', 'Galaga: Destination Earth', 'Galaxian', 'Galaxy Angel II: Eigou Kaiki no Koku', 'Galaxy Angel II: Mugen Kairou no Kagi', 'Galaxy Angel II: Zettaiyousei no Tobira', 'Galaxy Fight', 'Galaxy Racers', 'Gale Racer', 'Galerians', 'Galerians: Ash', 'Galidor: Defenders of the Outer Dimension', 'Galileo', 'Galleon: Islands of Mystery', 'Gallop & Ride!', 'Gallop Racer', 'Gallop Racer (JP)', 'Gallop Race r 2000', 'Gallop Racer 2001', 'Gallop Racer 2003: A New Breed', 'Gallop Racer 2004', 'Gallop Racer 2006', 'Gallop Racer 2: One and Only Road to Victory', 'Gallop Racer Inbreed', 'Gambler Densetsu Tetsuya', 'Game & Wario', 'Game & Watch Gallery', 'Game & Watch Gallery 2', 'Game & Watch Gallery 3', 'Game & Wa tch Gallery 4', 'Game Book DS: Sword World 2.0', 'Game Center CX: 3-Choume no Arino', 'Game Center CX: Arino no Chousenjou 2', 'Game Hits!', 'Game Party', 'Game Party 2', 'Game Party 3', 'Game Party in Motion', 'Game Party: Champions', 'Game de Hakken!! Tamagotchi 2', 'Game no Kanzone Vol 1', 'Game no Kanzum e Vol 2', 'Game of Thrones', 'Game of Thrones (Telltale)', 'Gameboy Wars', 'Gameboy Gallery', 'Games Around the World', 'Games Explosion!', 'Ganbare Goemon 2: Kiteretsu Shougun Magginesu', 'Ganbare Goemon 3: Shishi Jyuurukubei no Karakuri Manji Katame', 'Ganbare Goemon! Karakuri Douchuu', 'Ganbare Goemon: Kira Kira Douchuu - Boku ga Dancer ni Natta Riyuu', 'Ganbare Goemon: Toukai Douchuu Ooedo Tengurigaeshi no Maki', 'Ganbaru Watashi no Kakei Diary', 'Gangs of Lo ndon', 'Gardening Mama', 'Garfield Gets Real', 'Garfield's Fun Fest', 'Garfield's Nightmare', 'Garfield: A Tale of Two Kitties', 'Garfield: Lasagna World T our', 'Garfield: The Search for Pooky', 'Garou Densetsu 3: Road to the Final Victory', 'Gauntlet', 'Gauntlet / Rampart', 'Gauntlet Legends', 'Gauntlet: Dar k Legacy', 'Gauntlet: Seven Sorrows', 'Gears of War', 'Gears of War 2', 'Gears of War 3', 'Gears of War 4', 'Gears of War: Judgment', 'Gears of War: Ultima te Edition', 'Gegege no Kitarou 2: Youkai Gundan no Chousen', 'Gegege no Kitarou: Youkai Daigekisen', 'Geist', 'Gekiatsu!! Pachi Game Tamashi Max: Evangeli on 7 x Seimei no Kodou', 'Gekiatsu!! Pachi Game Tamashi Vol. 1: CR Evangelion - Shinjitsu no Tsubasa', 'Gekiatsu!! Pachi Game Tamashi Vol. 2: CR Evangelion - Shinjitsu no Tsubasa', 'Gekiatsu!! Pachi Game Tamashi: CR Evangelion - Hajimari no Fukuin', 'Gekido', 'Gekido Advance: Kintaro's Revenge', 'Gekijouban Ma cross F: Itsuwari no Utahime - Hybrid Pack', 'Gekijouban Macross F: Sayonara no Tsubasa - Hybrid Pack', 'Gekijouban Madoka Magicka: The Battle Pentagram', 'Gekikuukan Pro Yakyuu: At the End of the Century 1999', 'Gekka Ryouan Romance', 'Gem Quest: 4 Elements', 'Gem Smashers', 'Generation of Chaos', 'Generat or Rex: Agent of Providence', 'Genji: Dawn of the Samurai', 'Genji: Days of the Blade', 'Genkai Tokki Monster Monpiece', 'Genkai Tokki: Moero Crystal', 'Ge nkai Tokki: Seven Pirates', 'Genkai Totsuki Moero Chronicle', 'Genma Onimusha', 'Genroh', 'Gensou Suikoden I & II', 'Geometry Wars: Galaxies', 'Geon Cube', 'George of the Jungle and the Search for the Secret', 'Germany's Next Topmodel 2011', 'Get Fit with Mel B', 'Get On Da Mic', 'Get Up and Dance', 'Geten no Hana', 'Geten no Hana: Yume Akari', 'Getsuei Gakuen: kou', 'Gex', 'Gex 3: Deep Cover Gecko', 'Gex 64: Enter the Gecko', 'Gex: Enter the Gecko', 'Ghost Pir ates of Vooju Island', 'Ghost Rider', 'Ghost Squad', 'Ghost Trick: Phantom Detective', 'Ghost in the Shell', 'Ghost in the Shell: Stand Alone Complex', 'Gh ostbusters', 'Ghostbusters (2016)', 'Ghostbusters II', 'Ghostbusters: The Video Game', 'Ghostbusters: The Video Game (DS Version)', 'Ghosthunter', 'Ghosts 'n Goblins', 'GIFTPIA', 'Giants: Citizen Kabuto', 'Gift: Prism', 'Ginga Fukei Densetsu: Sapphire', 'Ginga Tetsudou 999 DS', 'Gintama DS: Yorozyua Daisoudo', 'Gintama Gin-Oh Quest: Gin-San ga Tenshoku Shitari Sekai wo Sukuttari', 'Gintama: Banji Oku Chuubun!', 'Gintama: Gin-San to Issh o! Boku no Kabuki Machi Nikki', 'Girl Friend Beta: Kimi to Sugosu Natsuyasumi', 'Girl Time', 'Girls Mode 3: Kirakira Code', 'Girls Only', 'Girls RPG: Cinde relife', 'Girls and Panzer: I Will Master Tankery', 'Gitaroo Man', 'Gitaroo Man Lives!', 'Glacier2', 'Gladiator Begins', 'Gladiator: Sword of Vengeance', 'Gladius', 'Global Defence Force', 'Global Touring Challenge: Africa', 'Gloria Union', 'Glory Days 2', 'Glory of Heracles', 'Glover', 'Go Diego Go! Great

Dinosaur Rescue', 'Go Diego Go! Safari Rescue', 'Go Diego Go!: Safari Rescue', 'Go Go Ackman 3', 'Go Play: Circus Star', 'Go Play: City Sports', 'Go Play: Lumberjacks', 'Go Vacation', 'Go! Go! Hypergrind', 'Go! Sudoku', 'Go! Sudoku (JP sales)', 'Go, Diego, Go! Safari Rescue', 'Go, Diego, Go!: Great Dinosaur Rescue', 'GoGo's Crazy Bones', 'GoPets: Vacation Island', 'Goal Storm '97', 'Goat Simulator', 'Gobliins 4', 'Goblin Commander: Unleash the Horde', 'Gochemu on wa Usagi Desu ka?? Wonderful Party!', 'God Eater', 'God Eater 2', 'God Eater 2: Rage Burst', 'God Eater Off Shot: Lindow-hen Twin Pack & Animation Vol. 2', 'God Eater Off Shot: Soma Shikkuzaru-hen Twin Pack & Animation Vol.4', 'God Eater Off Shot: Tachibana Sakuya-hen Twin Pack & Animation Vol.7', 'God Eater Off Shot:Shiou-hen Twin Pack & Animation Vol.5', 'God Eater Resurrection', 'God Hand', 'God of War', 'God of War Collection', 'God of War II', 'God of War III', 'God of War Saga', 'God of War: Ascension', 'God of War: Chains of Olympus', 'God of War: Ghost of Sparta', 'God of War: Origins Collection', 'Goda: Elemental Force', 'Gods Eater Burst', 'Godzilla (2014)', 'Godzilla (2015)', 'Godzilla Generations', 'Godzilla Unleashed', 'Godzilla Unleashed: Double Smash', 'Godzilla: Destroy All Monsters Melee', 'Godzilla: Domination!', 'Godzilla: Save the Earth', 'Goomon's Great Adventure', 'Goku Makaimura Kai', 'Goku uhou!! Mecha Mote Inchoou: Girls Motekawa Box', 'Gokuuou!! Mecha Mote Inchoou: MM Town de Miracle Change!', 'Gokujuu Parodius', 'Gokujuu!! Mecha Mote Inchoou: MM My Best Friend!', 'Gold and Glory: The Road to El Dorado', 'Gold's Gym: Cardio Workout', 'Gold's Gym: Cardio Workout (Others sales)', 'Gold's Gym: Dance Workout', 'Golden Axe: Beast Rider', 'Golden Axe: The Duel', 'Golden Nugget 64', 'Golden Nugget Casino', 'Golden Nugget Casino / Texas Hold 'Em Double Pack', 'Golden Nugget Casino DS', 'Golden Sun', 'Golden Sun: Dark Dawn', 'Golden Sun: The Lost Age', 'Golden Time: Vivid Memories', 'GoldenEye 007', 'GoldenEye 007 (2010)', 'GoldenEye: Rogue Agent', 'Goldeneye 007: Reloaded', 'Golf', 'Gon: BakuBakuBakuBaku Adventure', 'Goodbye Deponia', 'Goosebumps HorrorLand', 'Goosebumps: The Game', 'Gormiti: The Lords of Nature!', 'Gotcha Force', 'Gothic 3', 'Gothic Universe', 'Gotouchi Kenkei DS', 'Gotouchi Tetsudou: Gotouchi Chara to Nihon Zenkoku no Tabi', 'Gouketuji Ichizoku 2: Chottodake Saikyou Densetsu', 'Gourmet Chef: Cook Your Way to Fame', 'Grabbed by the Ghoulies', 'Gradius', 'Gradius Collection', 'Gradius Galaxies', 'Gradius III and IV', 'Gradius V', 'Graffiti Kingdom', 'Gran Turismo', 'Gran Turismo (PSP)', 'Gran Turismo 2', 'Gran Turismo 3: A-Spec', 'Gran Turismo 4', 'Gran Turismo 4 Prologue', 'Gran Turismo 5', 'Gran Turismo 5 Prologue', 'Gran Turismo 6', 'Gran Turismo o Concept 2001 Tokyo', 'Grand Ages: Medieval', 'Grand Kingdom', 'Grand Knights History', 'Grand Prix', 'Grand Prix Challenge', 'Grand Prix Legends', 'Grand Slam', 'Grand Slam Tennis 2', 'Grand Theft Auto', 'Grand Theft Auto 2', 'Grand Theft Auto III', 'Grand Theft Auto IV', 'Grand Theft Auto V', 'Grand Theft Auto: Chinatown Wars', 'Grand Theft Auto: Liberty City Stories', 'Grand Theft Auto: Mission Pack #1, London 1969', 'Grand Theft Auto: San Andreas', 'Grand Theft Auto: Vice City', 'Grand Theft Auto: Vice City Stories', 'Grandia', 'Grandia II', 'Grandia III', 'Grandia Xtreme', 'Gravitar', 'Gravity Falls: Legend of the Gnome Gemulets', 'Gravity Games Bike: Street Vert Dirt', 'Gravity Rush', 'Gravity Rush Remastered', 'Gray Matter', 'Grease', 'Grease Dance', 'Great Battle Full Blast', 'Great Edo Blacksmith', 'Great Party Games', 'Great Phoenix Wright: Ace Attorney - Naruhodou Ryuunosuke no Bouken', 'Green Day: Rock Band', 'Green Lantern: Rise of the Manhunters', 'Greg Hastings Paintball 2', 'Greg Hastings Tournament Paintball', 'Greg Hastings Tournament Paintball Max'd', 'Gremilins', 'Gretzky NHL', 'Gretzky NHL 06', 'Gretzky NHL 2005', 'Grey's Anatomy: The Video Game', 'Grid Runner', 'GrimGrimoire', 'Grind Session', 'GripShift', 'Grisaia no Kajitsu: La Fruit de la Grisaia', 'Grisaia no Meikyuu: Le Labyrinthe de la Grisaia', 'Grisaia no Rakuen: Le Eden de la Grisaia', 'Grooverider: Slot Car Thunder', 'Groovin' Blocks', 'Group S Challenge', 'Growlanser', 'Growlanser Generations', 'Growlanser IV: Over Reloaded', 'Growlanser V I: Precarious World', 'Growlanser: Heritage of War', 'Growlanser: Heritage of War (jp sales)', 'Grudge Warriors', 'Guardian Heroes', 'Guardian's Crusade', 'Gudetama: Hanjuku de Tanomawau', 'Guess the Logos', 'Guild 01', 'Guild Wars', 'Guild Wars 2', 'Guild Wars Trilogy', 'Guild Wars: Factions', 'Guild Wars: Nightfall', 'Guilty Gear', 'Guilty Gear Dust Strikers', 'Guilty Gear Isuka', 'Guilty Gear Judgment', 'Guilty Gear X', 'Guilty Gear X2', 'Guilty Gear X2 #Reload', 'Guilty Gear X: Advance Edition', 'Guilty Gear XX Accent Core', 'Guilty Gear XX Accent Core Plus', 'Guilty Gear XX Slash', 'Guilty Gear Xrd -Revelator-', 'Guilty Gear Xrd: Sign', 'Guinness World Records: The Videogame', 'Guitar Freaks', 'Guitar Freaks & DrumMania: Masterpiece Gold', 'Guitar Freaks 3rdMI X & DrumMania 2ndMIX', 'Guitar Freaks V & DrumMania V', 'Guitar Freaks V2 & DrumMania V2', 'Guitar Freaks V3 & DrumMania V3', 'Guitar Hero', 'Guitar Hero 5', 'Guitar Hero Encore: Rocks The 80s', 'Guitar Hero II', 'Guitar Hero III: Legends of Rock', 'Guitar Hero Live', 'Guitar Hero On Tour: Modern Hits', 'Guitar Hero: Aerosmith', 'Guitar Hero: Metallica', 'Guitar Hero: On Tour', 'Guitar Hero: On Tour Decades', 'Guitar Hero: Smash Hits', 'Guitar Hero: Van Hale n', 'Guitar Hero: Warriors of Rock', 'Guitar Hero: World Tour', 'Guitar Rock Tour', 'Gumby vs. the Astrobots', 'Gummy Bears Magical Medallion', 'Gummy Bear s Mini Golf', 'Gun', 'Gun Metal', 'Gun Showdown', 'GunGriffon', 'GunGriffon Blaze', 'GunGriffon II', 'GunGriffon: Allied Strike', 'GunParade Orchestra: Ao no Shou', 'GunParade Orchestra: Midori no Shou', 'GunParade Orchestra: Shiro no Shou', 'GunPey', 'GunPey DS', 'Gunbird', 'Gunblade NY & L.A. Machineguns A rcade Hits Pack', 'Gundam Assault Survive', 'Gundam Battle Assault', 'Gundam Battle Chronicle', 'Gundam Battle Online', 'Gundam Battle Royale', 'Gundam Battle Tactics', 'Gundam Battle Universe', 'Gundam Breaker', 'Gundam Breaker 2', 'Gundam Breaker 3', 'Gundam Memories: Tatakai no Kioku', 'Gundam SEED: Federation vs. Z.A.F.T.', 'Gundam Seed: Battle Assault', 'Gundam Try Age SP', 'Gundam the 3D Battle', 'Gundam: The Battle Master', 'Gungnir: Mayari no Gunshin to Eiyuu Sensou', 'Gungrave', 'Gungrave: Overdose', 'Gunship', 'Gunslingers', 'Gunstar Heroes', 'Gunstar Super Heroes', 'Gunvalkyrie', 'Gyakuten Saiban 2', 'Gyakuten Saiban 3', 'Gyromite', 'H2O: Footprints in the Sand', 'HBO Boxing', 'HOP', 'HSX HyperSonic.Xtreme', 'Hagane no Renkinjutsushi - Fullmetal Alchemist t: Yakusoku no Hi e', 'Haikyuu!! Tsunage! Itadaki no Keshikiri!', 'Hail to the Chimp', 'Haitaka no Psychedelica', 'Hajime no Ippo Portable: Victorious Spirits', 'Hajime no Ippo: The Fighting', 'Hajime no Ippo: The Fighting! (2014)', 'Hakuoki Zuissouroku Omokage Hana', 'Hakuoki: Demon of the Fleeting Blossom', 'Hakuoki: Reimeiroku - Omohase Kara', 'Hakuoki: Reimeiroku DS', 'Hakuoki: Shinkai - Furi no Shou', 'Hakuoki: Shinkai - Hana no Shou', 'Hakuoki: Stories of the Shinsengumi', 'Hakuouki', 'Hakuouki DS', 'Hakuouki Portable', 'Hakuouki SSL: Sweet School Life', 'Hakuouki: Bakumatsu Musou Roku', 'Hakuouki: Reimeiroku', 'Hakuouki: Reimeiroku Portable', 'Hakuouki: Shinsengumi Kitan', 'Hakuouki: Yuugi Roku', 'Hakuouki: Yuugi Roku DS', 'Hakuouki: Yuugi Roku Ni - Matsuri Hayashi to Taishitachi', 'Hakuouki: Zuissouroku', 'Hakuouki: Zuissouroku DS', 'Hakuouki: Zuissouroku Portable', 'Half-Life', 'Half-Life 2', 'Half-Minute Hero', 'Half-Minute Hero 2', 'Hallowed Legends: Samhain', 'Halloween', 'Halo 2', 'Halo 2 Multiplayer Map Pack', 'Halo 3', 'Halo 3: ODST', 'Halo 4', 'Halo 5: Guardians', 'Halo Triple Pack', 'Halo Wars', 'Halo: Combat Evolved', 'Halo: Combat Evolved Anniversary', 'Halo: Reach', 'Halo: The Master Chief Collection', 'Hammerin' Hero', 'Hamster Club 3', 'Hamster Club 4: Shigessa Daidassou', 'Hamster Heroes', 'Hamster Tarou', 'Hamsterz Life', 'Hamtaro: Ham-Ham Games', 'Hamtaro: Ham-Ham Heartbreak', 'Hamtaro: Ham-Hams Unite!', 'Hana to Ikimo no Rittai Zukan', 'Hana to Otome ni Shukufuku o: Harekaze no Okurinomo', 'Hanagumi Taisen Columns', 'Hanaoni: Koisomeru Koku - Eikyuu no Shirushi', 'Hanaoni: Yume no Tsudzuki', 'Hanasaku Manimani', 'Hanayaka Kana, Ware ga Ichizoku', 'Hanayaka Kana, Ware ga Ichizoku Twin Pack', 'Hanayaka Kana, Ware ga Ichizoku: Tsogare Polarstar', 'Hanayamata: Yosakoi Live', 'Hanayori Danshi: Koi Seyo Onag o', 'Handball 16', 'Hands On! Tangrams', 'Haneru no Tobira DS: Tanshuku Tetsudou no Yoru', 'Haneru no Tobira Wii: Girigirissu', 'Hang On GP', 'Hangman', 'Hanjuku Eiyuu Tai 3D', 'Hankou Shashin', 'Hannah Montana', 'Hannah Montana: Music Jam', 'Hannah Montana: Rock Out the Show', 'Hannah Montana: Spotlight World Tour', 'Hannah Montana: The Movie', 'Hanspree Ten Kate Honda: SBK Superbike World Championship', 'Happiness! De-Lucks', 'HappinessCharge PreCure! Kawaru n Collection', 'Happy Cooking', 'Happy Dance Collection', 'Happy Feet', 'Happy Feet Two', 'Hard Hitter Tennis', 'Hard Rock Casino', 'Hardball 5', 'Harlem Globetrotters: World Tour', 'Harley-Davidson: Road Trip', 'Harry Potter Collection', 'Harry Potter and the Chamber of Secrets', 'Harry Potter and the Deathly Hallows - Part 1', 'Harry Potter and the Deathly Hallows - Part 2', 'Harry Potter and the Goblet of Fire', 'Harry Potter and the Half-Blood Prince', 'Harry Potter and the Order of the Phoenix', 'Harry Potter and the Prisoner of Azkaban', 'Harry Potter and the Sorcerer's Stone', 'Harry Potter: Quidditch World Cup', 'Harukanaru Augusta 2: Masters', 'Harukanaru Toki no Naka de 3', 'Harukanaru Toki no Naka de 3 with Izaoyiki Aizouban', 'Harukanaru Toki no Naka de 3: Unmei no Meikyuu Aizouban', 'Harukanaru Toki no Naka de 4', 'Harukanaru Toki no Naka de 4: Aizouban', 'Harukanaru Toki no Naka de 5', 'Harukanaru Toki no Naka de 5: Kazahanaki', 'Harukanaru Toki no Naka de 6', 'Harukanaru Toki no Naka de Yumenoukikashi Special', 'Harukanaru Toki no Naka de: Mahitoyo', 'Harukanaru Toki no Naka de: Yumenoukikashi', 'Harvest Moon 2 GBC', 'Harvest Moon 3D: A New Beginning', 'Harvest Moon 64', 'Harvest Moon DS (US sales)', 'Harvest Moon DS (jp sales)', 'Harvest Moon DS Cute (US sales)', 'Harvest Moon DS Cute (jp sales)', 'Harvest Moon DS: Island of Happiness', 'Harvest Moon GB', 'Harvest Moon: A Wonderful Life', 'Harvest Moon: A Wonderful Life Special Edition', 'Harvest Moon: Animal Parade', 'Harvest Moon: Another Wonderful Life', 'Harvest Moon: Back to Nature', 'Harvest Moon: Boy & Girl', 'Harvest Moon: Frantic Farming', 'Harvest Moon: Friends of Mineral Town', 'Harvest Moon: Grand Bazaar', 'Harvest Moon: Hero of Leaf Valley', 'Harvest Moon: Magical Melody', 'Harvest Moon: More Friends of Mineral Town', 'Harvest Moon: Save the Homeland', 'Harvest Moon: Skytree Village', 'Harvest Moon: Sunshine Islands', 'Harvest Moon: The Lost Valley', 'Harvest Moon: The Tale of Two Towns', 'Harvest Moon: Tree of Tranquility', 'Harvey Birdman: Attorney at Law', 'Hasbro Family Game Pack', 'Hasbro Family Game Night', 'Hasbro Family Game Night 2', 'Hasbro Family Game Night 3', 'Hasbro Family Game Night Fun Pack', 'Hatsukare \* Renai Debut Sengen!', 'Hatsune Miku and Future Stars: Project Mirai', 'Hatsune Miku: Project Diva', 'Hatsune Miku: Project Diva 2nd', 'Hatsune Miku: Project Diva Extend', 'Hatsune Miku: Project Diva F 2nd', 'Hatsune Miku: Project Diva X', 'Hatsune Miku: Project Diva F', 'Hatsune Miku: Project Mirai 2', 'Hatsune Miku: Project Mirai DX', 'Haunted Casino', 'Haunted House', 'Haunting Ground', 'Haven: Call of the King', 'Hayate no Gotoku! Nightmare Paradise', 'Hayate no Gotoku! Ojousama Produce Daisakusen Boku Iro ni Somare! Gakkou-Hen', 'Hayate no Gotoku! Ojousama Produce Daisakusen Boku Iro ni Somare! Oyashiki-Hen', 'Haze', 'He-Man: Power of Grayskull', 'Headhunter', 'Headhunter: Redemption', 'Heart Catch PreCure! Oshare Collection', 'Heart no Kuni no Alice', 'Heart no Kuni no Alice Anniversary Ver.: Wonderful Wonder World', 'Heart no Kuni no Alice: Wonderful Twin World', 'Heart of Darkness', 'Hearts of Iron III', 'Hearts of Iron IV', 'Heathcliff! Frantic Foto', 'Heathcliff! The Fast and the Furies t', 'Heatseeker', 'Heavenly Guardian', 'Heavenly Sword', 'Heavy Fire: Afghanistan', 'Heavy Fire: The Chosen Few 3D', 'Heavy Rain', 'Heisei Kyouiku Iinkai D S', 'Hell's Kitchen: The Game', 'Hellboy: The Science of Evil', 'Hellgate: London', 'Hello Kitty Daily', 'Hello Kitty Party', 'Hello Kitty Seasons', 'Hello Kitty's Cube Frenzy', 'Hello Kitty: Big City Dreams', 'Hello Kitty: Birthday Adventures', 'Hello Kitty: Happy Party Pals', 'Hello Kitty: Roller Rescue', 'Help Wanted: 50 Wacky Jobs', 'Help Wanted: 50 Wacky Jobs (jp sales)', 'Henry Hatsworth in the Puzzling Adventure', 'Herbie: Fully Loaded', 'Herc's Adventure s', 'Hercules: The Legendary Journeys', 'Herdy Gerdy', 'Here They Lie', 'Hermie Hopperhead: Scrap Panic', 'Hero Bank', 'Hero Bank 2', 'Hero's Saga Laevatei n Tactics', 'Heroes Phantasia', 'Heroes VS', 'Heroes of Hellas 2: Olympia', 'Heroes of Mana', 'Heroes of Might and Magic V', 'Heroes of Ruin', 'Heroes of the Pacific', 'Heroes over Europe', 'Hexen', 'Hexen: Beyond Heretic', 'Hexyz Force', 'Hey Arnold! The Movie', 'Hey You, Pikachu!', 'Hi Hi Puffy AmiYumi: Kaz napped', 'Hi Hi Puffy AmiYumi: The Genie & the Amp', 'Hi! Hamtaro - Little Hamsters,big Adventures: Ham-Ham Challenge', 'Hi-Octane: The Track Fights Back!', 'Hidden Invasion', 'Hidden Mysteries: Buckingham Palace', 'Hidden Mysteries: Salem Secrets - Witch Trials of 1692', 'Hidden Mysteries: Titanic - Secrets of the Fateful Voyage', 'Hidden Mysteries: Vampire Secrets', 'Hidden Objects: Mystery Stories', 'High Heat Baseball 2002', 'High Heat Major League Baseball 2003', 'High Heat Major League Baseball 2004', 'High Rollers Casino', 'High School Musical 2: Work This Out!', 'High School Musical 3: Senior Year', 'High School Musical 3: Senior Year DANCE!', 'High School Musical: Makin' the Cut!', 'High School Musical: Sing It!', 'High Velocity Bowling', 'High Velocity y Mountain Racing Challenge', 'Highschool Terra Story', 'Higurashi Daybreak Portable', 'Higurashi Daybreak Portable Mega Edition', 'Higurashi no Naku Koro ni Iki', 'Higurashi no Naku Koro ni Kizuna: Dai-San-Kan - Rasen', 'Higurashi no Naku Koro ni Kizuna: Dai-Yon-Kan - Kizuna', 'Higurashi no Naku Koro ni Matsuri', 'Higurashi no Naku Koro ni Matsuri: Kakeru Asobi', 'Higurashi no Naku Koro ni: Jan', 'Higurashi no Nakukoru ni Kizuna: Dai-Ichi-Kan - Tatari', 'Higurashi no Nakukoru ni Kizuna: Dai-Ni-Kan - Sou', 'Hiiru no Kakeru 2: Hisui no Shizuku', 'Hiiru no Kakeru 3: Aoikuro no Kusabi', 'Hiiru no Kakeru DS', 'Hiiru no Kakeru Portable', 'Hiiru no Kakeru: Shin Tamayori Hime Denshou', 'Hiiru no Kakeru: Shin Tamayori Hime Denshou - Piece of Future', 'Hiiru no Kakeru: Shin Tamayori Hime Denshou Portable', 'Hikaru no Go: Heian Gensou Ibunroku', 'Himawari: Pebble in the Sky Portable', 'Himoutou! Umaru-Chan: Himoutou Ikusei Keikaku', 'Hirameki Action: Chibikko Wagyan no Daiki na Bouken', 'Hissatsu Pachinko Collection 3', 'Hisshou 777 Fighter: Pachi Slot Eiyu Densetsu', 'Hisshou Pachinko \* Pachi-Slot Kouryaku Series Portable Vol. 2: CR Evangelion - Hajimari no Fukuin', 'Hisshou Pachinko\*Pachi-Slot Kouryaku Series DS Vol. 1: Shinseiki Evangelion - Magokoro o, Kimi ni', 'Hisshou Pachinko\*Pachi-Slot Kouryaku Series DS Vol. 2: Shinseiki Evangelion - Shito, Futatabi', 'Hisshou Pachinko\*Pachi-Slot Kouryaku Series DS Vol. 4: Shinseiki Evangelion - Saigo no Mono', 'Hisshou Pachinko\*Pachi-Slot Kouryaku Series DS Vol. 5: Shinseiki Evangelion - Tamashii no Kiseki', 'Hisshou Pachinko\*Pachi-Slot Kouryaku Series Portable Vol. 1: Shinseiki Evangelion - Tamashii no Kiseki', 'Hisshou Pachinko\*Pachi-Slot Kouryaku Series Vol. 11: Shinseiki Evangelion - Magokoro o, Kimi ni', 'Hisshou Pachinko\*Pachi-Slot Kouryaku Series Vol. 12: CR Shinseiki Evangelion - Shito to, Futatabi', 'Hisshou Pachinko\*Pachi-Slot Kouryaku Series Vol. 13: Shinseiki Evangelion - Yakusoku no Toki', 'Hisshou Pachinko\*Pachi-Slot Kouryaku Series Vol. 14: CR Shinseiki Evangelion: Saigo no Mono', 'Hisshou Pachinko\*Pachi-Slot Kouryaku Series Vol. 1: CR Shinseiki Evangelion', 'Hisshou Pachinko\*Pachi-Slot Kouryaku Series Vol. 5: CR Shinseiki Evangelion \* Pachi-Slot Shinseiki Evangelion', 'Hisshou Pachinko\*Pachi-Slot Kouryaku Series Vol. 9: CR Fever Captain Harlock', 'Hisshou Pachinko\*Pachi-Slot Kouryaku Series Vol.10: CR Shinseiki Evangelion: Kiseki no Kachi', 'Hisshou Pachinko\*Pachi-slot Kouryaku Series DS Vol. 3: Shinseiki Evangelion - Yakusoku no Toki', 'History Civil War: Secret Missions', 'History Great Empires: Rome', 'Hitman (2016)', 'Hitman 2: Silent Assassin', 'Hitman Trilogy', 'Hitman: Absolution', 'Hitman: Blood Money', 'Hitman: Contracts', 'Hitman: HD Trilogy', 'Hitotsu Tobashi Renai V', 'Hogan's All

ey', 'Hogs of War', 'Hokuto no Ken', 'Hokuto no Ken: Hokuto Shinken Denshousha no Michi', 'Hole in the Wall: Deluxe Edition', 'Holly Hobbie & Friends', 'Hollywood Squares', 'Holy Invasion of Privacy, Badman! What Did I Do to Deserve This?', 'Home Run', 'Home Run King', 'Homefront', 'Homefront: The Revolution', 'Homeworld Story', 'Homeworld', 'Homeworld 2', 'Homeworld Remastered Collection', 'Homie Rollerz', 'Honda ATV Fever', 'Honeycomb Beat', 'Hooked! Again: Real Motion Fishing', 'Hooked! Real Motion Fishing', 'Hoppechan: Minna de Odekake! Waku Waku Hoppe Land!!', 'Hoppechan: Tsukutte! Asonde! 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Remixed: Intelligent Qube', 'IA/VT Colorful', 'ICO', 'IGT Slots: Lucky Larry's Lobstermania', 'IHRA Drag Racing 2', 'IHRA Drag Racing 2004', 'IHRA Drag Racing: Sportsman Edition', 'IHRA Professional Drag Racing 2005', 'IL-2 Sturmovik', 'IL-2 Sturmovik: 1946', 'IL-2 Sturmovik: Birds of Prey', 'IL-2 Sturmovik: Cliffs of Dover', 'IL-2 Sturmovik: Forgotten Battles', 'ISS Pro Evolution', 'Ice Age', 'Ice Age 2: The Meltdown', 'Ice Age: Dawn of the Dinosaurs', 'Ice Climber', 'Ice Hockey', 'Icewind Dale II', 'Ide Yosuke no Mahjong Kazoku', 'Idol Janshi Suchie-Pai IV', 'Idol Janshi Suchie-Pai Remix', 'Iggy's Reckin' Balls', 'Igor: The Game', 'Ikaruga', 'Ikki Touden: Eloquent Fist', 'Ikki Touden: Shining Dragon', 'Ikki Touden: Xross Impact', 'Illusion of Gaia', 'Imabikisou', 'Imagine Animal Doctor Care Center', 'Imagine Figure Skater (JP sales)', 'Imagine: Animal Doctor', 'Imagine: Artist', 'Imagine: Babysitters', 'Imagine: Babyz', 'Imagine: Babyz Fashion', 'Imagine: Ballet Star', 'Imagine: Boutique Owner', 'Imagine: Cheerleader', 'Imagine: Detective', 'Imagine: Family Doctor', 'Imagine: Fashion Designer', 'Imagine: Fashion Designer New York', 'Imagine: Fashion Designer World Tour', 'Imagine: Fashion Party', 'Imagine: Fashion Stylist', 'Imagine: Figure Skater (US sales)', 'Imagine: Gymnast', 'Imagine: Ice Champions', 'Imagine: Interior Designer', 'Imagine: Master Chef', 'Imagine: Movie Star', 'Imagine: Music Fest', 'Imagine: My Restaurant', 'Imagine: Party Babyz', 'Imagine: Party Planner', 'Imagine: Reporter', 'Imagine: Resort Owner', 'Imagine: Rock Star', 'Imagine: Salon Stylist', 'Imagine: Soccer Captain', 'Imagine: Sweet 16', 'Imagine: Teacher', 'Imagine: Teacher Class Trip', 'Imagine: Wedding Designer', 'Imagine: Zookeeper', 'Impact Racing', 'Imperial Glory', 'Imperium Romanum', 'Import Tuner Challenge (American sales)', 'Impossible Creatures', 'Impossible Mission', 'In Cold Blood', 'In The Groove', 'In the Hunt', 'Inazuma Eleven', 'Inazuma Eleven 2', 'Inazuma Eleven 3', 'Inazuma Eleven GO', 'Inazuma Eleven GO 3: Galaxy', 'Inazuma Eleven GO Strikers 2013', 'Inazuma Eleven Go 2: Chrono Stone', 'Inazuma Eleven Strikers', 'Inazuma Eleven Strikers 2012 Xtreme', 'Incredible Crisis', 'Independence Day', 'Indiana Jones and the Emperor's Tomb', 'Indiana Jones and the Staff of Kings', 'Indianapolis 500 Evolution', 'Indianapolis 500 Legends', 'Indigo Prophecy', 'Indy 500', 'Indy Racing 2000', 'IndyCar Series', 'IndyCar Series 2005', 'Infamous: First Light', 'Infected', 'Infernal: Hell's Vengeance', 'Infinite Space', 'Infinite Stratos 2: Ignition Hearts', 'Infinite Stratos 2: Love and Purge', 'Infinite Undiscovery', 'Initial D: Extreme Stage', 'Initial D: Special Stage', 'Initial D: Street Stage', 'Injustice: Gods Among Us', 'Inkheart', 'Innocent Life: A Futuristic Harvest Moon', 'Insecticide', 'Inspector Gadget: Gadget's Crazy Maze', 'Instant Brain', 'Intelligent Qube', 'Intelligence Lives!', 'Interactive Sample Disc 6', 'Interactive Storybook DS Series 1', 'Interactive Storybook DS Series 3', 'International Cricket 2010', 'International Soccer', 'International Superstar Soccer', 'International Superstar Soccer 98', 'International Superstar Soccer 2000', 'International Superstar Soccer 2000 (All region sales)', 'International Superstar Soccer 2000 (JP weekly sales)', 'International Superstar Soccer 64', 'International Superstar Soccer 64 (weekly JP sales)', 'International Superstar Soccer Deluxe', 'International Superstar Soccer Pro 98', 'International Track & Field', 'International Track & Field 2000', 'Interplay Sports Baseball 2000', 'InuYasha: A Feudal Fairy Tale', 'InuYasha: Feudal Combat', 'InuYasha: Secret of the Divine Jewel', 'InuYasha: The Secret of the Curse d Mask', 'Invasion From Beyond', 'Inversion', 'Invizimals', 'Invizimals: Shadow Zone', 'Invizimals: The Alliance', 'Invizimals: The Lost Kingdom', 'Invizimals: The Lost Tribes', 'Iridion 3D', 'Iridion II', 'Iridium Runners', 'Iron & Blood', 'Iron Chef America: Supreme Cuisine', 'Iron Man', 'Iron Man / X-O Manowar in Heavy Metal', 'Iron Man 2', 'Iron Phoenix', 'Iron Soldier 3', 'Iron Storm', 'Irotoridori no Sekai: World's End Re-Birth', 'Irozuki Tingle no Koi no Balloon Trip', 'Irritating Stick', 'Ishin Renka: Ryouma Gaiden', 'Ishin no Arashi: Shippu Ryoumuden', 'Island Xtreme Stunts', 'Isshoni Gohan. 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Dream Hyper Battle! Wii', 'Katekyoo Hitman Reborn! Kindan no Yami no Delta', 'Katekyoo Hitman Reborn! Kizuna no Tag Battle', 'Katekyoo Hitman Reborn!! Let's Ansatsu! Neraawareta 10 Daime!', 'Kawa no Nushi Tsuru', 'Kawaii Koinsu DS 3', 'Kawasaki Jet Ski', 'Kawasaki Quad Bikes', 'Kawasaki Snowmobiles', 'Kawashima Ryouta Kyouju Kanshuu Nouryoku Trainer Portable 2', 'Kazoku Keikaku', 'Keiba EIGHT Special', 'Kekkaishi: Karasumori Ayakashi Kidan', 'Kekkaishi: Kokubourou Shuurai', 'Kekkaishi: Kokubourou no Kage', 'Kekkon Zenya', 'Kekkon: Marriage', 'Kelly Slater's Pro Surfer', 'Ken Griffey Jr.'s Slugfest', 'Ken to Mahou to Gakuen Mono. 2', 'Ken to Mahou to Gakuen Mono. 2G', 'Ken to Mahou to Gakuen Mono. 3', 'Ken to Mahou to Gakuen Mono. 3D', 'Ken to Mahou to Gakuen Mono. Final: Shinyuusei wa Ohimesama', 'Kengo: Legend of The 9', 'Kengo: Master of Bushido', 'Kenka Bancho Bros: Tokyo Battle Royale', 'Kenka Bancho Otome', 'Kenka Bancho: Badass Rumble', 'Kenka Bancho 2: Full Throttle', 'Kenka Bancho 4: Ichinen Sensou', 'Kenka Bancho 5: Otoko no Housoku', 'Kenka Bancho 6: Soul & Blood', 'Kenka Bancho Portable', 'Kenkou Ouen Recipe 1000: DS Kondate Zenshuu', 'Kensei: Sacred Fist', 'Kenshuu Tendo Dokuta', 'Kenyu Denetsu Yaiba', 'Keroro Gansou: Enshuu da Yo! Zenin Shuugou Part 2', 'Keroro RPG: Kishi to Mus ha to Denetsu no Kaizoku', 'Keshisau-Kun: Battle Kas-tival', 'Kessen II', 'Kessen III', 'Ketsui Death Emblem', 'Ketsui: Kizuna Jigoku Tachi Extra', 'Kevin Van Dam: Big Bass Challenge', 'Keystone Kapers', 'Kid Adventures: Sky Captain', 'Kid Fit Island Resort', 'Kid Icarus', 'Kid Icarus: Uprising', 'Kidou Gekidan Haro Ichiza Gundam Mahjong DS: Oyaji nimo Agarareta koto nai noni!', 'Kidou Senkan Nadesico', 'Kidou Senshi Gundam 00', 'Kidou Senshi Gundam F91: Formula Senki 0122', 'Kidou Senshi Gundam Seed Battle Destiny', 'Kidou Senshi Gundam UC', 'Kidou Senshi Gundam: Extreme VS', 'Kidou Senshi Gundam: Giren no Yabou', 'Kidou Senshi Gundam: Giren no Yabou - Axis no Kyouji', 'Kidou Senshi Gundam: Giren no Yabou - Axis no Kyouji V', 'Kidou Senshi Gundam: Senjo u no Kizuna Portable', 'Kidou Senshi Gundam: Shin Gihren no Yabou', 'Kidou Senshi V Gundam', 'Kids Learn Math: A+ Edition', 'Kids Learn Music A+ Edition', 'Kidz Bop Dance Party! The Video Game', 'Kidz Sports: Crazy Golf', 'Kikiite Hajimaru: Eigo Kaiwa Training - KikiIore', 'Kikou Heidan J-Phoenix', 'Kikou Heidan J-Phoenix 2', 'Kikou Heidan J-Phoenix: Cobalt Shoutaihen', 'Kiku! Kaku! Kotoba o Fuyasu! Hajimete no Eigo Training', 'Kilari: Na-san, Mon Meilleur Ami!', 'Kileak: The DNA Imperative', 'Kill.Switch', 'Killer Instinct', 'Killer Instinct (2013)', 'Killer Instinct Gold', 'Killer Loop', 'Killer is Dead', 'Killer', 'Killing Floor 2', 'Killing Zone', 'Killzone', 'Killzone 2', 'Killzone 3', 'Killzone: Liberation', 'Killzone: Mercenary', 'Killzone: Shadow Fall', 'Kimi ga Aruji de Shitsujii ga Ore de: Oshie Nikki', 'Kimi ni Todoke: Sodateru Omoi', 'Kimi ni Todoke: Tsutaeru Kimochi', 'Kimi no Yuusha', 'KimiKiss', 'KimiKiss (ebKorea)', 'KimiKare: New Semester', 'Kinect Adventures!', 'Kinect Joy Ride', 'Kinect Rush: A Disney Pixar Adventure', 'Kinect Sports', 'Kinect Sports Rivals', 'Kinect Sports: Season Two', 'Kinect Star Wars', 'Kinect: Disneyland Adventures', 'Kinectimals', 'Kinectimals: Now with Bears!', 'Kinetica', 'King Arthur', 'King Arthur II', 'King Kong', 'King of Clubs: Mini Golf', 'King of Colosseum (Red): Shin Nippon x Zen Nippon x Pancrase Disc', 'King of Fighters 2002: Unlimited Match Tougeki Ver.', 'King of Fighters: Maximum Impact', 'King of Fighters: Maximum Impact Regulation A', 'King's Bounty: Armored Princess', 'King's Field', 'King's Field (Japan)', 'King's Field II', 'King's Field: The Ancient City', 'King's Quest: The Complete Collection', 'Kingdom Hearts', 'Kingdom Hearts 358/2 Days', 'Kingdom Hearts 3D: Dream Drop Distance', 'Kingdom Hearts II', 'Kingdom Hearts Re: Chain of Memories', 'Kingdom Hearts Recoded', 'Kingdom Hearts: Birth by Sleep', 'Kingdom Hearts: Birth by Sleep - Final Mix', 'Kingdom Hearts: Chain of Memories', 'Kingdom Under Fire: Circle of Doom', 'Kingdom Under Fire: Heroes', 'Kingdom Under Fire: The Crusaders', 'Kingdom of Paradise', 'Kingdom: Ikkitousen no Ken', 'Kingdoms of Amalur: Rec-koning', 'Kinoiro no Corda 2', 'Kinoiro no Corda 2 Encore', 'Kinoiro no Corda 2 f', 'Kinoiro no Corda 2 f Encore', 'Kinoiro no Corda 3', 'Kinnikuman Muscle Grand Prix Max', 'Kinnikuman Muscle Grand Prix Max 2: Tokumori', 'Kintaihi Shounen no Jiken: Kyakusen Eris-Gou no Sangeki', 'Kirarin x Revolution: Kira Kira Idol Audition', 'Kirarin x Revolution: Mezase! Idol Queen', 'Kirarin x Revolution: Minna de Odorou Furi Furi Debut!', 'Kirarin x Revolution: Tsukutte Mischea o Kime x Kira Stage', 'Kirby & the Amazing Mirror', 'Kirby 64: The Crystal Shards', 'Kirby Air Ride', 'Kirby Squeak Squad', 'Kirby Super Star', 'Kirby Super Star Ultra', 'Kirby Tilt 'n' Tumble', 'Kirby and the Rainbow Curse', 'Kirby's Adventure', 'Kirby's Block Ball', 'Kirby's Dream Collection: Special Edition', 'Kirby's Dream Course', 'Kirby's Dream Land', 'Kirby's Dream Land 2', 'Kirby's Dream Land 3', 'Kirby's Epic Yarn', 'Kirby's Pinball Land', 'Kirby's Return to Dreamland', 'Kirby's Star Stack', 'Kirby: Canvas Curse', 'Kirby: Mass Attack', 'Kirby: Nightmare in Dream Land', 'Kirby: Planet Robobot', 'Kirby: Triple Deluxe', 'Kiss Bell', 'Kisuto', 'Klax', 'Klonoa', 'Klonoa 2: Dream Champ Tournament', 'Klonoa 2: Lunatec's Veil', 'Klonoa Beach Volleyball', 'Klonoa a Heroes: Denetsu no Star Medal', 'Klonoa: Door to Phantomile', 'Klonoa: Empire of Dreams', 'Knack', 'Knife Edge: Gunseuner', 'Knight's Apprentice: Memory's Adventures', 'Knights Contract', 'Knights in the Nightmare', 'Knights in the Nightmare: DHE Series Special Pack', 'Knights of Honor', 'Knockout Kings', 'Knockout Kings 2000', 'Knockout Kings 2001', 'Knockout Kings 2002', 'Knockout Kings 2003', 'Kobe Bryant in NBA Courtside', 'Kobitodzukan: Kobito Kansa tsu Set', 'Kobitodzukan: Kobito no Fushigi - Jikken Set', 'Kochira Katsushikaku Kameari Kouenmae Hashutsujo: Machiteba Tengoku! Makereba Jigoku! Ryoutsuryu u Ikkakusenkin Daisakusen!', 'Koi Senta! Love & Peace the P.S.P.: Power Zenkai! Special Youso Tenkomori de Portable Ka Daisakusen de Arui!', 'Koi to Senkyo to Chocolate Portable', 'Koihime Enbu', 'Koihime Musou', 'Koisoru Otome to Shugo no Tate Portable', 'Koisoru Otome to Shugo no Tate: The Shield of AIGIS', 'Kokoro Connect: Yochi Random', 'Kokoro no Kokoron', 'Konami Arcade Classics', 'Konami Classics Series: Arcade Hits', 'Konami Classics Vol. 1', 'Konami Classics Vol. 2', 'Konami Collector's Series: Arcade Advanced', 'Konami Crazy Racers', 'Konductra', 'Kong: King of Atlantis', 'Kong: The 8th Wonder of the World', 'Kong: The Animated Series', 'Konjiki no Gashbell!! Makai no Bookmark', 'Kono Aozora ni Yakusoku o: Melody of the Sun and Sea', 'Kono Aozora ni Yakusoku o: Tenohira no Rakuen', 'Konohana 2: Todoke Kanai Requiem', 'Konpeki no Kantai', 'Kororinpa: Marble Mania', 'Kotoba no Puzzle: Mojipittan DS', 'Kotoba no Puzzle: Mojipittan Daijiten', 'Kouchuu Oujia Mushi King', 'Kouchuu Oujia Mushi King: Greatest Champion e no Michi DS', 'Kouchuu Oujia Mushi King: Greatest Champion e no Michi DS 2', 'Kouchuu Oujia Mushi King: Super Collection', 'Koudelka', 'Kousoku Card Battle: Card Hero', 'Kowloon's Gate', 'Krazy Ivan', 'Krul 1', 'Kuma no Pooh-San: 100 Acre no Mori no Cooking Book', 'Kuma-Tomo', 'Kumamon Bomber: Puzzle de Kumamon Taisou', 'Kung Fu', 'Kung Fu Chaos', 'Kung Fu Panda', 'Kung Fu Panda 2', 'Kung Fu Panda: Legendary Warriors', 'Kung Fu Panda: Showdown of Legendary Legends', 'Kung Fu Rider', 'Kung Zhu', 'Kung-Fu Master', 'Kung-Fu: High Impact', 'Kuron', 'Kurikin: Nano Island Story', 'Kurogane Kaikitan', 'Kurohyou 2: Ryu ga Gotoku Ashura Hen', 'Kurohyou: Ryu ga Gotoku Shinsho u', 'Kuroko's Basketball: Miracle Game', 'Kuroko's Basketball: Ties to Future', 'Kuroshitsuji: Phantom & Ghost', 'Kurt Warner's Arena Football Unleashed', 'KuruKuru Kururin', 'Kurupoto Cool Cool Stars', 'Kururin Paradise', 'Kurushi Final: Mental Blocks', 'Kuryuu Youma Gakuenki Recharge', 'Kuukan x Zukei: Hirameki Training - KuuTore', 'Kuusen II', 'Kya: Dark Lineage', 'Kyokugen Dasshutsu ADV: Zennin Shiboudesu', 'Kyoukai Senjou no Horizon Portable', 'Kyoukai no Shirayuki', 'L'Aigle de Guerre', 'L.A. Noire', 'L.A. Noire: The Complete Edition', 'L.A. Rush', 'L.G.S: Shinsetsu Houshinengi', 'L: the prologue to DEATH NOTE - Rasen no Wana', 'LEGO Batman 2: DC Super Heroes', 'LEGO Batman: The Videogame', 'LEGO Battles', 'LEGO Battles: Ninjago', 'LEGO Bionicle', 'LEGO City Undercover', 'LEGO Dimensions', 'LEGO Friends', 'LEGO Harry Potter Collection', 'LEGO Harry Potter: Years 1-4', 'LEGO Harry Potter: Years 5-7', 'LEGO Indiana Jones 2: The Adventure Continues', 'LEGO Indiana Jones: The Original Adventures', 'LEGO Island 2: The Brickster's Revenge', 'LEGO Island Xtreme Stunts', 'LEGO Jurassic World', 'LEGO Knights' Kingdom', 'LEGO Legends of Chima: Laval's Journey', 'LEGO Marvel Super Heroes', 'LEGO Marvel's Avengers', 'LEGO Ninjabo: Shadow of Ronin', 'LEGO Pirates of the Caribbean: The Video Game', 'LEGO Racers', 'LEGO Racers 2', 'LEGO Rock Band', 'LEGO Rock Raiders', 'LEGO Soccer Mania', 'LEGO Star Wars II: The Original Trilogy', 'LEGO Star Wars III: The Clone Wars', 'LEGO Star Wars: The Complete Saga', 'LEGO Star Wars: The Video Game', 'LEGO The Hobbit', 'LEGO The Lord of the Rings', 'LMA Manager 2007', 'La Corda d'Oro 4', 'La Pucelle: RagnaroK', 'La Pucelle: Tactics', 'Labyrinth Cross Blood: Infinity', 'Lady Sia', 'Lagoon', 'Lair', 'Lalaloopsy', 'Land of the Dead: Road to Fiddler's Green', 'Langrisser III', 'Langrisser IV', 'Langrisser V: The End of Legend', 'Langrisser: Re:Incarnation Tensei', 'Lara Croft Tomb Raider: The Angel of Darkness', 'Lara Croft and the Temple of Osiris', 'Largo Winch // Commando San', 'Laser Blast', 'Last Bronx', 'Last Escort', 'Last Escort 2: Shinya no Amai Toge', 'Last Escort: Club Katze', 'Last Ranker', 'Last Rebellion', 'Last Window: The Secret of Cape West', 'Le Mans 24 Hours', 'Learn Chess', 'Learn Geography', 'Learn Math', 'Learn Science', 'Learning to Spell', 'Left 4 Dead', 'Left 4 Dead 2', 'Left Brain Right Brain 2', 'Left Brain Right Brain: Use Both Hands Train Both Sides', 'Legacy of Kain: Defiance', 'Legacy of Kain: Soul Reaver', 'Legacy of Ys: Books I & II', 'Legia 2: Duel Saga', 'Legasista', 'Legend of Kay', 'Legend of Kay Anniversary', 'Legend of Legaia', 'Legend of Mana', 'Legend of the Dragon', 'Legend of the Guardians: The Owls of Ga'Hoole', 'Legend: Hand of God', 'Legendary', 'Legends of Oz: Dorothy's Return', 'Legends of WrestleMania', 'Legends of Wrestling', 'Legends of Wrestling II', 'Legion: The Legend of Excalibur', 'LEGO Batman 3: Beyond Gotham', 'LEGO Star Wars: The Force Awakens', 'Legoland', 'Leisure Suit Larry: Box Office Bust', 'Leisure Suit Larry: Magna Cum Laude', 'Lemmings', 'Lemony Snicket's A Series of Unfortunate Events', 'Lernerfolg Vorschule: Capt'n Sharky', 'Let's Cheer', 'Let's Dance with Mel B', 'Let's Draw!', 'Let's Make a Soccer Team!', 'Let's Paint', 'Let's Pilates!', 'Let's Play Ballerina', 'Let's Play Flight Attendant', 'Let's Play Garden', 'Let's Ride! Dreamer', 'Let's Ride! Friends Forever', 'Let's Ride! Silver Buckle Stables', 'Let's Ride: Sunshine Stables', 'Let's Sing 2016', 'Let's TAP', 'Let's Yoga!', 'Lethal Enforcers', 'Lethal Enforcers I & II', 'Lethal Skies Elite Pilot: Team SW', 'Lethal Skies II', 'Life is Strange', 'LifeSigns: Surgical Unit', 'Lifeline', 'Lightning Returns: Final Fantasy XIII', 'Lilie no Atelier: Salzburg no Renkinjutsushi 3', 'Lilo & Stitch 2: Hämsterviel Havoc', 'Lilpri DS: Hime-Chen! Apple Pink', 'Line Rider 2: Unbound', 'Link's Crossbow Training', 'Links 2004', 'Lionel Trains: On Track', 'Lips', 'Lips: Deutsche Partykaller', 'Lips: I Love The 80s', 'Lips: Number One Hits', 'Lips: Party Classics', 'Lise no Atelier: Ordre no Renkinjutsushi', 'Little Battlers Experience W', 'Little Battlers Experience: Baku Boost', 'Little Battlers Experience: Wars', 'Little Bears', 'Little Busters! Converted Edition', 'Little Deviants', 'Little King's Story', 'Little League World Series Baseball 2008', 'Little League World Series Baseball 2009', 'Little League World Series Baseball 2010', 'Little League World Series Baseball: Double Play', 'Little Red Riding Hood's Zombie BBQ', 'LittleBigPlanet', 'LittleBigPlanet 2', 'LittleBigPlanet 3', 'LittleBigPlanet Karting', 'LittleBigPlanet PS Vita', 'Littlest Pet Shop', 'Littlest Pet Shop 3: Biggest Stars - Blue / Pink / Purple Team', 'Littlest Pet Shop: Beach Friends', 'Littlest Pet Shop: City Friends', 'Littlest Pet Shop: Country Friends', 'Littlest Pet Shop: Friends', 'Littlest Pet Shop: Garden', 'Littlest Pet Shop: Jungle', 'Littlest Pet Shop: Spring', 'Littlest Pet Shop: Winter', 'Live A Live', 'Living Legends: Frozen Beauty', 'Livly Garden', 'Lizzie McGuire 2: Lizzie Diaries', 'Lizzie McGuire 3: Homecoming Havoc', 'Loading Human', 'Lock On: Modern Air Combat', 'Lock's Quest', 'LocoRoco', 'LocoRoco 2', 'Lode Runner', 'Lode Runner 3-D', 'Logic Machines', 'Lollipop Chainsaw', 'London 2012: The Official Video Game of the Olympic Games', 'Looney Tunes Duck Dodgers Starring: Daffy Duck', 'Looney Tunes Racing', 'Looney Tunes: Acme Arsenal', 'Looney Tunes: Back in Action', 'Looney Tunes: Cartoon Conductor', 'Looney Tunes: Duck Amuck', 'Looney Tunes: Galactic Sports', 'Looney Tunes: Sheep Raider', 'Looney Tunes: Space Race', 'Loons: The Fight For Fame', 'Lord of Apocalypse', 'Lord of Arcana',

'Lord of Darkness', 'Lord of Magna: Maiden Heaven', 'Lord of the Rings: Battle for Middle-Earth', 'Lord of the Rings: Tactics', 'Lord of the Rings: The Thirteenth Age', 'Lords of the Fallen', 'Lost Dimension', 'Lost Heroes', 'Lost Heroes 2', 'Lost Horizon', 'Lost Kingdoms', 'Lost Kingdoms II', 'Lost Magic', 'Lost Odyssey', 'Lost Planet 2', 'Lost Planet 3', 'Lost Planet: Extreme Condition', 'Lost in Blue', 'Lost in Blue 3', 'Lost in Blue 3', 'Lost in Blue: Shipwrecked', 'Lost in Shadow', 'Lost: Via Domus', 'Lotus Challenge', 'Love Live! School Idol Paradise', 'Love Once: Mermaid's Tears', 'Love Plus', 'Love Plus+', 'Lovely Lisa', 'Lovely Lisa and Friends', 'Lovely x Cation 1 & 2', 'Loving Life with Hello Kitty & Friends', 'Lowrider', 'Lucha Libre AAA: Heroes del Ring', 'Lucian Bee's: Justice Yellow / Evil Violet', 'Lucian Bee's: Resurrection Supernova', 'Lucky \* Star: Ryōū Gakuen Outsouai', 'Luffy Luke', 'Lufia: Curse of the Sinistrals', 'Lufia: The Ruins of Lore', 'Luigi's Mansion', 'Luigi's Mansion: Dark Moon', 'Lumines II', 'Lumines: Electronic Symphony', 'Lumines: Puzzle Fusion', 'Luminous Arc', 'Luminous Arc 2', 'Luminous Arc 2 (JP sales)', 'Luminous Arc 3', 'Luminous Arc Infinity', 'Lumo', 'Lunacy', 'Lunar 2: Eterna 1 Blue', 'Lunar 2: Eternal Blue Complete', 'Lunar 2: Eternal Blue (sales, but wrong system)', 'Lunar Knights', 'Lunar Legend', 'Lunar: Dragon Song', 'Lunar: Silver Star Harmony', 'Lunar: Silver Star Story', 'Lunar: Silver Star Story Complete', 'Lunatic Dawn Tempest', 'Lupin III: Lupin ni wa Shi o, Zenigata ni wa Koi o', 'Lupin Senses: Shijou Saidai no Zunousen', 'Lupin the 3rd: Treasure of the Sorcerer King', 'Lux-Pain', 'Lux-Pain (JP sales)', 'Luxor 3', 'Luxor: Pharaoh's Challenge', 'Luxor: The Wrath of Set', 'M&M's Adventure', 'M&M's Beach Party', 'M&M's Blast!', 'M&M's Kart Racing', 'M&M's Shell Shocked', 'MAG: Massive Action Game', 'MAPLUS: Portable Navi', 'MAPLUS: Portable Navi 3', 'MC Groove Dance Craze', 'MDK', 'MDK2 Armageddon', 'MLB', 'MLB 06: The Show', 'MLB 07: The Show', 'MLB 08: The Show', 'MLB 09: The Show', 'MLB 10: The Show', 'MLB 11: The Show', 'MLB 12: The Show', 'MLB 13: The Show', 'MLB 14: The Show', 'MLB 15: The Show', 'MLB 16: The Show', 'MLB 2000', 'MLB 2001', 'MLB 2002', 'MLB 2004', 'MLB 2005', 'MLB 2006', 'MLB 2012 / NBA 2K12 Combo Pack', 'MLB 2K9 Fantasy All-Stars', 'MLB 99', 'MLB Front Office Manager', 'MLB Inside Pitch 2003', 'MLB Pennant Race', 'MLB Power Pros', 'MLB Power Pros 2008', 'MLB Slugfest 2003', 'MLB Slugfest 2004', 'MLB Slugfest 2006', 'MLB Slugfest Loaded', 'MLB Superstars', 'MRC: Multi-Racing Championship', 'MTV Celebrity Deatchmatch', 'MTV Music Generator', 'MTV Music Generator 2', 'MTV Music Generator 3: This Is the Remix', 'MTV Sports: Pure Ride', 'MTX Mototrax', 'MVP 06 NCAA Baseball', 'MVP Baseball', 'MVP Baseball 2003', 'MVP Baseball 2004', 'MVP Baseball 2005', 'MX 2002 Featuring Ricky Carmichael', 'MX SuperFly featuring Ricky Carmichael', 'MX Unleashed', 'MX World Tour Featuring Jamie Little', 'MX vs. ATV Reflex', 'MX vs. ATV Supercross', 'MX vs. ATV Supercross Encore', 'MX vs. ATV Unleashed', 'MX vs. ATV Unleashed: On the Edge', 'MX vs. ATV Untamed', 'MX vs. ATV: Alive', 'MXGP 2', 'MXRider', 'Mace Griffin: Bounty Hunter', 'Mace: The Dark Age', 'Machi-Ing Maker 3 x Tousouchuu', 'Machi-Ing Maker 4', 'Machi: Unmei no Kousaten', 'Machinarium', 'Machine Head', 'Macross 30: Ginga o Tsunagu Utageo', 'Macross? Scramble', 'Macross Ace Frontier', 'Macross Digital Mission VF-X', 'Macross Triangle Frontier', 'Macross Ultimate Frontier', 'Mad Dash Racing', 'Mad Dog McCre: Gunslinger Pack', 'Mad Maestro!', 'Mad Max (2015)', 'MadWorld', 'Madagascar', 'Madagascar: Escape 2 Africa', 'Madagascar: Operation Penguin', 'Madden Football 64', 'Madden NFL 06', 'Madden NFL 07', 'Madden NFL 08', 'Madden NFL 09 All-Play', 'Madden NFL 10', 'Madden NFL 11', 'Madden NFL 12', 'Madden NFL 13', 'Madden NFL 15', 'Madden NFL 16', 'Madden NFL 17', 'Madden NFL 2000', 'Madden NFL 2001', 'Madden NFL 2002', 'Madden NFL 2003', 'Madden NFL 2004', 'Madden NFL 2005', 'Madden NFL 25', 'Madden NFL 97', 'Madden NFL 98', 'Madden NFL 99', 'Madden NFL Football', 'Madou Monogatari', 'Mafia', 'Mafia II', 'Mafia III', 'Mage Knight: Destiny's Soldier', 'Magi: Aratanaru Sekai', 'Magi: The Labyrinth of Beginning', 'Magic Carpet', 'Magic Encyclopedia: Moonlight', 'Magic Pengel: The Quest for Color', 'Magic: The Gathering - Battlegrounds', 'Magic: The Gathering - Battlegrounds', 'Magical Starsign (JP sales)', 'Magical Starsign (US sales)', 'Magical Tetris Challenge', 'Magical Vacation', 'Magical Zhu Zhu Princess: Carriages & Castles', 'Magician's Quest: Mysterious Times', 'Magician's Quest: Town of Magic', 'Magicians Academy', 'Magicka', 'Magicka Collection', 'Magna Carta 2', 'Magna Carta Portable', 'Magna Carta: Tears of Blood', 'Magnetica', 'Mah Jong Quest: Expeditions', 'Mahjong', 'Mahjong 300', 'Mahjong 3D: Warriors of the Emperor', 'Mahjong Cub3D', 'Mahjong Fight Club', 'Mahjong Fight Club DS: Wi-Fi Taiou', 'Mahjong Kakutou Club: Zenkoku Taisenban', 'Mahjong Master', 'Mahjong Taika i', 'Mahjong Taikai IV', 'Mahjong: Journey Quest for Tikal', 'Mahjong Mysteries: Ancient Egypt', 'Mahou Sensei Negima! Kagai Juyou ~Otome no Dokidoki Beachside~', 'Mahou Sensei Negima! Private Lesson 2: Ojama Shimasu Parasite de Chu', 'Mahou Sensei Negima! Neo-Pactio Fight!!', 'Mahou Shoujo Lyrical Nanoha A's Portable: The Battle of Aces', 'Mahou Shoujo Lyrical Nanoha A's Portable: The Gears of Destiny', 'Mahouka Koukou no Rettousei: Out of Order', 'Mai-Otome Hime: Otome Butou Shi', 'Majesty 2 Collection', 'Majesty 2: The Fantasy Kingdom Sim', 'Maji de Manabu: LEC de Ukuru - DS Hishou Boki 3-Kyuu', 'Majin Tensei', 'Majin and the Forsaken Kingdom', 'Major Dream: Major DS Dream Baseball', 'Major Dream: Major Wii Nagero! Gyroball!!', 'Major League Baseball 2K10', 'Major League Baseball 2K11', 'Major League Baseball 2K12', 'Major League Baseball 2K13', 'Major League Baseball 2K5', 'Major League Baseball 2K6', 'Major League Baseball 2K7', 'Major League Baseball 2K8', 'Major League Baseball 2K8 Fantasy All-Stars', 'Major League Baseball 2K9', 'Major League Baseball Featuring Ken Griffey Jr.', 'Major Minor's Majestic March', 'Makai Kingdom: Chronicles of the Sacred Tome', 'Makai Senki Disgaea 3 Append Disc: Rasberry'n-hen Hajime Mashita', 'Makai Senki Disgaea 4: Fuuka & Desco-hen Hajime Mashita', 'Makai Senki Disgaea Portable: Tsushin Taisen Hajime Mashita', 'Makai Shin Trillion', 'Make 10: A Journey of Numbers', 'Maken Shao: Demon Sword', 'Making History: The Great War', 'Malice', 'Mame Goma 2: Uchi no Ko ga Ichiban!', 'Mame Goma: Honobono no Nikki', 'Mame Goma: Shiro to Kuro no Meikyuu', 'Mamoru-kun wa Norowarete Shimatta!', 'Man vs. Wild', 'Mana Khemia 2: Fall of Alchemy', 'Mana Khemia 2: Ochita Gakuen to Renkinjutsushi Tachi Portable+', 'Mana Khemia: Alchemists of Al-Revis', 'Mana Khemia: Alchemists of Al-Revis (JP sales)', 'Mana Khemia: Student Alliance', 'Manhunt', 'Manhunt 2', 'MapleStory DS', 'Mappy', 'Mar Heaven: Karudea no Akuma', 'Marble Madness / Klax', 'Marble Saga: Kororinpa', 'Marc Eckro's Getting Up: Contents Under Pressure', 'March of the Penguins', 'Marginal #4: Idol of Supernova', 'Margot's Word Brain', 'Marie no Atelier: Salburg no Renkinjutsushi', 'Marines: Modern Urban Combat', 'Mario & Luigi: Bowser's Inside Story', 'Mario & Luigi: Dream Team', 'Mario & Luigi: Paper Jam', 'Mario & Luigi: Paper Jam & Mario Kart 7 Double Pack', 'Mario & Luigi: Partners in Time', 'Mario & Luigi: Superstar Saga', 'Mario & Sonic at the London 2012 Olympic Games', 'Mario & Sonic at the Olympic Games', 'Mario & Sonic at the Olympic Winter Games', 'Mario & Sonic at the Rio 2016 Olympic Games', 'Mario & Sonic at the Sochi 2014 Olympic Winter Games', 'Mario & Wario', 'Mario Bros.', 'Mario Bros.', 'Mario Golf', 'Mario Golf: Advance Tour', 'Mario Golf: Toadstool Tour', 'Mario Golf: World Tour', 'Mario Hoops 3 on 3', 'Mario Kart 64', 'Mario Kart 7', 'Mario Kart 8', 'Mario Kart DS', 'Mario Kart Wii', 'Mario Kart: Double Dash!!', 'Mario Kart: Super Circuit', 'Mario Paint', 'Mario Party', 'Mario Party 10', 'Mario Party 2', 'Mario Party 3', 'Mario Party 4', 'Mario Party 5', 'Mario Party 6', 'Mario Party 7', 'Mario Party 8', 'Mario Party 9', 'Mario Party Advance', 'Mario Party DS', 'Mario Party: Island Tour', 'Mario Party: Star Rush', 'Mario Pinball Land', 'Mario Power Tennis', 'Mario Sports Mix', 'Mario Strikers Charged', 'Mario Super Sluggers', 'Mario Superstar Baseball', 'Mario Tennis', 'Mario Tennis Open', 'Mario Tennis Ultra Smash', 'Mario Tennis: Power Tour', 'Mario vs. Donkey Kong', 'Mario vs. Donkey Kong 2: March of the Minis', 'Mario vs. Donkey Kong: Mini-Land Mayhem!', 'Mario vs. Donkey Kong: Tipping Stars', 'Mario's Picross', 'Mark Davis Pro Bass Challenge', 'Mark McMorris Infinite Air', 'Marker Man Adventures', 'Marriage Royale: Prism Story', 'Martian Gothic: Unification', 'Martian Panic', 'Marvel Avengers: Battle for Earth', 'Marvel Nemesis: Rise of the Imperfects', 'Marvel Super Hero Squad', 'Marvel Super Hero Squad: Comic Combat', 'Marvel Super Hero Squad: The Infinity Gauntlet', 'Marvel Super Heroes', 'Marvel Super Heroes vs. Street Fighter', 'Marvel Superheroes 3D: Grandmaster's Challenge', 'Marvel Trading Card Game', 'Marvel vs. Capcom 2: New Age of Heroes', 'Marvel vs. Capcom 3: Fate of Two Worlds', 'Marvel vs. Capcom Origins', 'Marvel vs. Capcom: Clash of Super Heroes', 'Marvel: Ultimate Alliance', 'Marvel: Ultimate Alliance 2', 'Mary King's Riding School', 'Mary King's Riding School 2', 'Mary-Kate and Ashley: Crush Course', 'Mary-Kate and Ashley: Girls Night Out', 'Mary-Kate and Ashley: Magical Mystery Mail', 'Mary-Kate and Ashley: Sweet 16 - License to Drive', 'Mary-Kate and Ashley: Winners Circle', 'Mashiro Iro Symphony: 'mutsu-no-hana', 'Mass Destruction', 'Mass Effect', 'Mass Effect 2', 'Mass Effect 3', 'Mass Effect Trilogy', 'Master Jin Jin's IQ Challenge', 'Master of Illusion', 'Master of Monsters: Disciples of Gaia', 'Master of the Monster Lair', 'Mat Hoffman's Pro BMX', 'Mat Hoffman's Pro BMX 2', 'Mata Hari: Betrayal is only a Kiss Away', 'Match 3 Madness', 'Matchbox Cross Town Heroes', 'Math Baster in the Prime Adventure', 'Math Play', 'Mathews Bowhunting', 'Mawashite Tsunageru Touch Panic', 'Max & the Magic Marker', 'Max Payne', 'Max Payne 2: The Fall of Max Payne', 'Max Payne 3', 'Maximo vs Army of Zin', 'Maximo: Ghosts to Glory', 'Maximum Capacity: Hotel Giant', 'Maximum Chase', 'Maximum Force', 'Maximum Racing: Crash Car Racer', 'Maximum Racing: Drag & Stock Racer', 'Maximum Racing: GP Classic Racing', 'May's Mystery: Forbidden Memories', 'Mayhem 3D', 'Maze Craze: A Game of Cops 'n Robbers', 'Mazes of Fate DS', 'McDROID', 'McFarlane's Evil Prophecy', 'McGrath vs. Pastrana Freestyle Motocross', 'Me & My Katamari', 'Mechka! Taiko no Tatsujin Master DS: 7-tsu no Shima no Daibouken', 'MechAssault', 'MechAssault 2: Lone Wolf', 'MechAssault: Phantom War', 'MechWarrior 2: 31st Century Combat', 'Mechanic Escape', 'Mechanic Master', 'Mechanic Master 2', 'Medabots 8', 'Medabots 9: Metabee / Rokusho', 'Medabots AX: Metabee', 'Medabots Dual: Kabuto / Kuwagata', 'Medabots Girls Mission: Metabee Ver. / Rokusho Ver.', 'Medabots: Infinity', 'Medabots: Metabee', 'Medal of Honor', 'Medal of Honor European Assault', 'Medal of Honor Heroes', 'Medal of Honor Heroes 2', 'Medal of Honor: Airborne', 'Medal of Honor: European Assault', 'Medal of Honor: European Assault (All Region sales)', 'Medal of Honor: European Assault (weekly JP sales)', 'Medal of Honor: Frontline', 'Medal of Honor: Infiltrator', 'Medal of Honor: Rising Sun', 'Medal of Honor: Underground', 'Medal of Honor: Vanguard', 'Medal of Honor: Warfighter', 'Medalot 7', 'Medarot 2: Kabuto / Kuwagata Version', 'Medarot 3: Kabuto / Kuwagata Version', 'Medarot 4: Kabuto / Kuwagata Version', 'Medarot 9: Kabuto Ver. / Kuwagata Ver.', 'Medarot DS: Kabuto / Kuwagata Ver.', 'Medarot: Kabuto / Kuwagata Version', 'MediEvil', 'MediEvil II', 'MediEvil: Resurrection', 'Medieval Game s', 'Medieval II: Total War', 'Medieval II: Total War Gold Edition', 'Medieval Moves: Deadmund's Quest', 'Mega Brain Boost', 'Mega Man', 'Mega Man & Bass', 'Mega Man 2', 'Mega Man 3', 'Mega Man 4', 'Mega Man 5', 'Mega Man 6', 'Mega Man 64', 'Mega Man 7', 'Mega Man 8 Anniversary Collector's Edition', 'Mega Man Anniversary Collection', 'Mega Man Battle Chip Challenge', 'Mega Man Battle Network', 'Mega Man Battle Network 2', 'Mega Man Battle Network 3 Blue / White Version', 'Mega Man Battle Network 4: Red Sun / Blue Moon', 'Mega Man Battle Network 5: Double Team DS (JP sales)', 'Mega Man Battle Network 5: Double Team DS (US sales)', 'Mega Man Battle Network 5: Team Colonel / Protoman', 'Mega Man Battle Network 6: Cybeast Falzar / GREGAN', 'Mega Man Battle Network: Operation Shooting Star', 'Mega Man II', 'Mega Man Legacy Collection', 'Mega Man Legends', 'Mega Man Legends 2', 'Mega Man Maverick Hunter X', 'Mega Man Network Transmission', 'Mega Man Powered Up', 'Mega Man Soccer', 'Mega Man Star Force 2: Zerkor x Ninja / Saurian', 'Mega Man Star Force 3: Black Ace / Red Joker', 'Mega Man Star Force Dragon / Leo / Pegasus', 'Mega Man X', 'Mega Man X Collection', 'Mega Man X2', 'Mega Man X3', 'Mega Man X4', 'Mega Man X5', 'Mega Man X6', 'Mega Man X7', 'Mega Man X8', 'Mega Man X: Command Mission', 'Mega Man Xtreme', 'Mega Man Xtreme 2', 'Mega Man ZX', 'Mega Man ZX Advent', 'Mega Man Zero', 'Mega Man Zero 2', 'Mega Man Zero 3', 'Mega Man Zero 4', 'Mega Man Zero Collection', 'Mega Man: Battle & Chase', 'Mega Man: Dr. Willy's Revenge', 'Mega Minis Volume 2', 'Mega Minis Volume 3', 'MegaTagmension Blanc & Neptune VS Zombies', 'Megamania', 'Megamind: Mega Team Unite', 'Megamind: The Blue Defender', 'Megamind: Ultimate Showdown', 'Megpoid the Music!', 'MeiQ no Chika ni Shisu: A Maze to Eradicate Them All', 'Meiji Toukyou Renka', 'Meiji Toukyou Renka: Twilight Kiss', 'Meikyuu Cross Blood: Reloaded', 'Meitantei Conan & Kidaichi Shounen no Jikenbou: Meguri au Futari no Meitantei', 'Meitantei Conan: Aoki Houshou no Rinbyoku', 'Meitantei Conan: Kieta Hakase to Machigai Sagashi no Tou', 'Meitantei Conan: Tantei Ryoku Trainer', 'Meitantei Evangelion', 'Melly Blood: Act Cadenza', 'Melly Blood: Actress Again', 'Memories Off', 'Memories Off #5: Encore', 'Memories Off #5: Togireta Film', 'Memories Off 6: Next Relation', 'Memories Off 6: T-Wave', 'Memories Off: Sorekara Again', 'Memories Off: Yubikiri no Kikou', 'Memories Off: Yubikiri no Kioku', 'Men in Black II: Alien Escape', 'Men in Black The Series: Crashdown', 'Men of Valor', 'Men of War', 'Men of War: Assault Squad', 'Men of War: Vietnam', 'Mercenaries 2: World in Flames', 'Mercenaries: Playground of Destruction', 'Mercury Meltdown', 'Mercury Meltdown Revolution', 'Meru Purana', 'Merv Griffin's Crosswords', 'Mesaze! Tsuru Master: Sekai ni Challenge! Hen', 'Metal Arms: Glitch in the System', 'Metal Dungeon', 'Metal Fight Beyblade', 'Metal Fight Beyblade Portable: Chouzetsu Tensei Vulcan Horses', 'Metal Fight Beyblade: Bakugami Susanoh Shuurai!', 'Metal Fight Beyblade: Choujou Kessen! Big Bang Bladers', 'Metal Gear Acid', 'Metal Gear Acid 2', 'Metal Gear Rising: Revengeance', 'Metal Gear Solid', 'Metal Gear Solid 2: Sons of Liberty', 'Metal Gear Solid 2: Substance', 'Metal Gear Solid 3: Snake Eater', 'Metal Gear Solid 3: Subsistence', 'Metal Gear Solid 4: Guns of the Patriots', 'Metal Gear Solid HD Edition', 'Metal Gear Solid Integral', 'Metal Gear Solid V: Ground Zeroes', 'Metal Gear Solid V: The Definitive Experience', 'Metal Gear Solid V: The Phantom Pain', 'Metal Gear Solid VR Missions', 'Metal Gear Solid: Digital Graphic Novel', 'Metal Gear Solid: Peace Walker', 'Metal Gear Solid: Peace Walker HD Edition', 'Metal Gear Solid: Portable Ops', 'Metal Gear Solid: Portable Ops Plus', 'Metal Gear Solid: Snake Eater 3D', 'Metal Gear Solid: Social Ops', 'Metal Gear Solid: The Essential Collection', 'Metal Gear Solid: The Essential Collection (JP sales)', 'Metal Gear Solid: The Legacy Collection', 'Metal Gear Solid: The Twin Snakes', 'Metal Max 2 Reloaded', 'Metal Max 3', 'Metal Max 4: Gekku no Diva', 'Metal Max Returns', 'Metal Saga', 'Metal Saga: Hagane no Kisetsu', 'Metal Slug 3', 'Metal Slug 4 & 5', 'Metal Slug 7', 'Metal Slug Advance', 'Metal Slug Anthology', 'Metal Slug X', 'Metal Slug XX', 'Meteos', 'Meteos: Disney Magic', 'Metro 2033', 'Metro: Last Light', 'Metroid', 'Metroid Fusion', 'Metroid II: Return of Samus', 'Metroid Prime', 'Metroid Prime 2: Echoes', 'Metroid Prime 3: Corruption', 'Metroid Prime Hunters', 'Metroid Prime Pinball', 'Metroid Prime: Federation Force', 'Metroid Prime: Trilogy', 'Metroid: Other M', 'Metroid: Zero Mission', 'MetropolisMania', 'Mezase!! Tsuru Master DS', 'Mia Hamm Soccer 64', 'Miami Law', 'Miami Nights: Singles in the City', 'Miami Vice: The Game', 'Michael Jackson: The Experience', 'Michael Jackson: The Experience 3D', 'Michael Phelps: Push the Limit', 'Mickey's Speedway USA', 'Mickey's Speedway



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'Namco Museum Battle Collection', 'Namco Museum Battle Collection (JP sales)', 'Namco Museum DS', 'Namco Museum Megamix', 'Namco Museum Remix', 'Namco Museum Vol.1', 'Namco Museum Vol.2', 'Namco Museum Vol.3', 'Namco Museum Vol.4', 'Namco Museum Vol.5', 'Namco Museum: 50th Anniversary', 'Namco Museum: Virtua l Arcade', 'Namco Soccer Prime Goal', 'Namco Tennis Smash Court', 'Nanashi no Game', 'Nanashi no Game Me', 'Nanatsuiro \* Drops Purell!', 'Nancy Drew: Alibi In Ashes', 'Nancy Drew: The Hidden Staircase', 'Nancy Drew: The Model Mysteries', 'Nancy Drew: The Mystery of the Clue Bender Society', 'Nancy Drew: The White Wolf of Icicle Creek', 'Nanda's Island', 'Nano Assault', 'Nano Diver', 'NanoBreaker', 'Nanostray', 'Nanostray 2', 'Nanotek Warrior', 'Napoleon Dynamite: The Game', 'Napoleon: Total War', 'Naraku no Shiro', 'Narcissus: Moshimo Ashita ga Runara', 'Naruto RPG 2: Chidori vs Rasengan', 'Naruto RPG 3: Rejiuu vs Konoha Shoutai', 'Naruto Shippuden 3D: The New Era', 'Naruto Shippuden: Clash of Ninja Revolution 3', 'Naruto Shippuden: Dairansen! Kage Bunshin Emaki', 'Naruto Shippuden: Dragon Blade Chronicles', 'Naruto Shippuden: Gekito Ninja Taisen! EX', 'Naruto Shippuden: Gekito Ninja Taisen! EX 2', 'Naruto Shippuden: Gekito Ninja Taisen! EX 3', 'Naruto Shippuden: Gekito Ninja Taisen! Special', 'Naruto Shippuden: Kizuna Drive', 'Naruto Shippuden: Legends: Akatsuki Rising', 'Naruto Shippuden: Naruto vs. Sasuke', 'Naruto Shippuden: Ninja Council 4', 'Naruto Shippuden: Ninja Destiny 2', 'Naruto Shippuden: Ninja Destiny 3', 'Naruto Shippuden: Shinobi Rumble', 'Naruto Shippuden: Ultimate Ninja 4', 'Naruto Shippuden: Ultimate Ninja 5', 'Naruto Shippuden: Ultimate Ninja Heroes 3', 'Naruto Shippuden: Ultimate Ninja Impact', 'Naruto Shippuden: Ultimate Ninja Storm 2', 'Naruto Shippuden: Ultimate Ninja Storm 3', 'Naruto Shippuden: Ultimate Ninja Storm 4', 'Naruto Shippuden: Ultimate Ninja Storm Collection', 'Naruto Shippuden: Ultimate Ninja Storm Generations', 'Naruto Shippuden: Ultimate Ninja Storm Revolution', 'Naruto Shippuden: Shinobi Retsuden III', 'Naruto Ultimate Collection', 'Naruto: Clash of Ninja', 'Naruto: Clash of Ninja (JP sales)', 'Naruto: Clash of Ninja 2', 'Naruto: Clash of Ninja Revolution', 'Naruto: Clash of Ninja Revolution 2', 'Naruto: Gekito Ninja Taisen! 3', 'Naruto: Gekito Ninja Taisen! 4', 'Naruto: Ninja Council', 'Naruto: Ninja Council 2 European Version', 'Naruto: Ninja Council 3', 'Naruto: Ninja Destiny', 'Naruto: Ninja Destiny (US sales)', 'Naruto: Path of the Ninja', 'Naruto: Path of the Ninja 2', 'Naruto: Powerful Shippuden', 'Naruto: Rise of a Ninja', 'Naruto: The Broken Bond', 'Naruto: Ultimate Ninja', 'Naruto: Ultimate Ninja (JP sales)', 'Naruto: Ultimate Ninja 2', 'Naruto: Ultimate Ninja 3', 'Naruto: Ultimate Ninja 3 (JP sales)', 'Naruto: Ultimate Ninja Heroes', 'Naruto: Ultimate Ninja Heroes (JP sales)', 'Naruto: Ultimate Ninja Heroes 2 - The Phantom Fortress', 'Naruto: Ultimate Ninja Storm', 'Naruto: Uzumaki Chronicles 2', 'Naruto: Uzumaki Chronicles 2 (JP sales)', 'NatGeo Challenge! Wild Life', 'Natalie Brooks: Mystery at Hillcrest High', 'National Geographic Challenge!', 'National Geographic Panda (JP sales)', 'National Geographic Panda (US sales)', 'Natsuiro High School: Seishun Hakusho', 'Natsuiro no Sunadokei', 'Natsuzora no Monologue', 'Natural Doctrine', 'Naughty Bear', 'Naval Assault: The Killing Tide', 'Naval Ops: Commander', 'Naval Ops: Warship Gunner', 'Naxat Soft Reachmania Vol. 1: CR Galaxy Angel', 'Nayuta no Kiseki', 'Nazo Waku Yakata: Oto no Mani Mani', 'Nazotoki Battle Tore! Densetsu no Makyuu o Fukkatsu Sasoyoi', 'Nectaris: Military Madness', 'Need For Speed: High Stakes', 'Need For Speed: Underground', 'Need For Speed (2015)', 'Need for Speed Carbon', 'Need for Speed Carbon: Own the City', 'Need for Speed III: Hot Pursuit', 'Need for Speed Rivals', 'Need for Speed Underground', 'Need for Speed Underground 2', 'Need for Speed Underground Rivals', 'Need for Speed: Hot Pursuit', 'Need for Speed: Hot Pursuit 2', 'Need for Speed: Most Wanted', 'Need for Speed: Most Wanted 5-1-0', 'Need for Speed: Nitro', 'Need for Speed: Porsche Unleashed', 'Need for Speed: ProStreet', 'Need for Speed: Shift', 'Need for Speed: Shift 2 Unleashed', 'Need for Speed: The Run', 'Need for Speed: V-Rally', 'Negima!? 3-Jikanme ~Koi to Mahou to Sekaiju Densetsu~', 'Negima!? Chou Mahora Taisen Chu: Checkin Zenin Shuugou! Yappari Onsen Kichaimashitaa', 'Negima!? Chou Mahora Taisen Kattoin, Keiyaku Shikkou Dechai masuu', 'Negima!? Dream Tactic Yumemiru Otome Princess', 'Neighborhood Games', 'Nekketsu Kouha Kunio-Kun SP: Rantou Kyousoukyoku', 'Nendoroid Generation', 'Neo Angelique', 'Neo Angelique Special', 'Neo Atlas', 'Neo Contra', 'NeoGeo Battle Coliseum', 'Neon Genesis Evangelion', 'Neon Genesis Evangelion 2nd Impression', 'Neopets Petpet Adventures: The Wand of Wishing', 'Neopets Puzzle Adventure', 'Neopets: The Darkest Faerie', 'Neo League DS', 'Nervous Brickdown', 'Net High', 'Netsu Chul Pro Yakyuu 2002', 'Netsu Chul Pro Yakyuu 2003', 'Nettou! Powerful Koushien', 'NeverDead', 'Neverland Card Battles', 'Neverwinter Nights', 'Neverwinter Nights 2', 'Neverwinter Nights 2: Mask of the Betrayer', 'Neverwinter Nights Diamond', 'New Atelier Rorona: Hajimari no Monogatari', 'New Carnival Games', 'New International Track & Field', 'New Interpretation Stranger of Sword City', 'New Legends', 'New Love Plus', 'New Play Control! Donkey Kong Jungle Beat', 'New Play Control! Mario Power Tennis', 'New Play Control! Pikmin', 'New Play Control! Pikmin 2', 'New Prince of Tennis: Go to the Top', 'New Super Luigi U', 'New Super Mario Bros.', 'New Super Mario Bros. 2', 'New Super Mario Bros. U', 'New Super Mario Bros. Wii', 'New Tokyo Legacy: Operation Babel', 'NewU Fitness First Mind Body, Yoga & Pilates Workout', 'Next Generation of Chaos', 'Ni Hao, Kai-lan: New Year's Celebration', 'Ni Hao, Kai-lan: Super Game Day', 'Ni no Kuni: Wrath of the White Witch', 'NIGHTS into dreams...', 'NIGHTS: Journey of Dreams', 'Nichibeikan Pro Yakyuu: Final League', 'Nichibutsu Arcade Classics', 'NickToons: Racing', 'Nickelodeon Dance', 'Nickelodeon Fit', 'Nickelodeon Party Blast', 'Nickelodeon Team Unizoom!', 'Nicktoons Collection: Game Boy Advance Video Volume 1', 'Nicktoons Collection: Game Boy Advance Video Volume 2', 'Nicktoons Collection: Game Boy Advance Video Volume 3', 'Nicktoons: Attack of the Toytots', 'Nicktoons: Battle for Volcano Island', 'Nicktoons: Freeze Frame Frenzy', 'Nicktoons: MLB', 'Nicktoons: Movin'', 'Nicktoons: Unite!', 'Nicola Kanshuu: Model \* Oshare Audition', 'Nicola Kanshuu: Model \* Oshare Audition 2', 'Nicola Kanshuu: Model Oshare \* Audition Platina', 'NieR', 'Night Head: The Labyrinth', 'Night Warriors: Darkstalkers' Revenge', 'Night Wizard the Video Game: Denial of the World', 'Night at the Museum: Battle of the Smithsonian', 'NightCaster', 'NightCaster II: Equinox', 'NightTruth: Explanation of the Paranormal - The Making of Nighttruth: Voice Selection', 'Nightmare Creatures', 'Nightmare Creatures II', 'Nights of Azure', 'Nightshade', 'Nihon Keizai Shinbunsha Kanshuu: Shiranai Mamade wa Son o Suru Mono ya Okane no Shikumi DS', 'Nihon Pro Mahjong Kishikai Kanshuu: Pro Ni Naru Mahjong DS', 'Nike+ Kinect Training', 'Niko Puchi Girls Runway', 'Nikoli's Pencil Puzzle', 'Nil Admirari no Tenbin: Teito Genwaku Toukidan', 'Ninja Assault', 'Ninja Blade', 'Ninja Gaiden', 'Ninja Gaiden 3', 'Ninja Gaiden Black', 'Ninja Gaiden Black', 'Ninja Gaiden II', 'Ninja Gaiden Sigma', 'Ninja Gaiden Sigma 2', 'Ninja Gaiden: Dragon Sword', 'Ninja Hattori Kun: Ninja wa Shuugyou Degogiru no Maki', 'Ninja Reflex', 'Ninja Warriors', 'Ninja: Shadow of Darkness', 'Ninjabread Man', 'Ninjatown', 'Ninokuni: Shikkoku no Madoushi', 'Nintendo Land', 'Nintendo Presents: Crossword Collection', 'Nintendo Presents: New Style Boutique 2 - Fashion Forward', 'Nintendo Puzzle Collection', 'Nintendo World Cup', 'Nintendogs', 'Nintendogs + cats', 'Nintendogs and Cats Golden Retriever and New Friends', 'Nippon Daihyou Team no Kantoku ni Narou! Sekaijitsu Soccer RPG', 'Nippon no Asoko de', 'Nisekoi: Yomeiri!', 'Nisenochigiri', 'Nisenochigiri: Omoide no Saki e', 'Nishijin Pachinko Monogatari 2', 'Nitrobike', 'Nitroplus Blasterz: Heroines Infinite Duel', 'No Fate! Only the Power of Will', 'No Fear Downhill Mountain Biking', 'No Man's Sky', 'No More Heroes', 'No More Heroes 2: Desperate Struggle', 'No More Heroes: Heroes' Paradise', 'No More Heroes: Red Zone', 'No One Can Stop Mr. Domino!', 'No Rules: Get Phat', 'No.1 Muscle Ranking - Kinniku Banzuke Vol. 1: Oregasaikyouno Otokodai!', 'No.1 Muscle Ranking - Kinniku Banzuke Vol. 2: Aratanarugenkai Enochousen!', 'Nobunaga no Yabou DS', 'Nobunaga no Yabou DS 2', 'Nobunaga no Yabou Online: Houou no Shou', 'Nobunaga no Yabou: Haouden', 'Nobunaga no Yabou: Kakushin with Power-Up Kit', 'Nobunaga no Yabou: Ranseiki', 'Nobunaga no Yabou: Reppuuden', 'Nobunaga no Yabou: Soutensoku with Power-Up Kit', 'Nobunaga no Yabou: Souzou', 'Nobunaga no Yabou: Tendou', 'Nobunaga no Yabou: Tendou with Power-Up Kit', 'Nobunaga no Yabou: Tenshoku', 'Nobunaga's Ambition (3DS)', 'Nobunaga's Ambition II', 'Nobunaga's Ambition: Iron Triangle', 'Nobunaga's Ambition: Rise to Power', 'Nobunaga's Ambition: Sphere of Influence', 'Nobunaga's Ambition: Sphere of Influence - Sengoku Risshiden', 'Nobunaga's Ambition: Tenshouki with Power-Up Kit HD Version', 'Nodame Cantabile', 'Nodame Cantabile: Tanoshii Ongaku no Jikan Desu', 'Noddy in Toyland', 'Nogizaka Haruka no Himitsu Cosplay, Hajime Mashita', 'Nonomura Byoin no Hitobito', 'Nora to Koku no Koubou: Kiri no Mori no Majo', 'Norn + Nonette: Act Tune', 'Norn + Nonette: Last Era', 'Norn9: Norn + Nonette', 'Norse by Norsewest: The Return of the Lost Vikings', 'North American Hunting Extravaganza', 'North American Hunting Extravaganza 2', 'Nostalgia', 'Nounai Aeshe: IQ Suppli DS', 'Nounai Aeshe: IQ Suppli DS 2 - Sukkiri King Ketteisen', 'Nova Usagi no Game de Ryuuugoku! DS', 'Novastorm', 'Now! That's What I Call Music: Dance & Sing', 'Nuclear Strike', 'Nucl ear Strike 64', 'Nurarihyon no Mago: Hyakki Ryouran Taisen', 'Nyaruko-San: Nafushigatai Game no You na Mono', 'O.D.T.: Escape... Or Die Trying', 'O.M.G. 26 - Our Mini Games', 'OK! Puzzle Stars', 'OZMAFIA! - vivace', 'Obscure', 'Obscure: The Aftermath', 'Ocean Commander', 'Ochaken no Heya DS', 'Ochaken no Heya DS 2', 'Octomania', 'Odama', 'Oddworld: Abe's Exoddus', 'Oddworld: Abe's Oddysee', 'Oddworld: Munch's Oddysee', 'Oddworld: Stranger's Wrath', 'Odin Sphere', 'Odin Sphere: Leiftrassin', 'Odoru Daisousasen The Game: Sensuikan ni Sennnyu Seyoi', 'Off-Road Challenge', 'Off-Road Drive', 'Off-World Interceptor Extreme', 'Ogre Battle 64: Person of Lordly Caliber', 'Ogre Battle Saga Episode Five: The March of the Black Queen', 'Ogre Battle Series: Tactics Ogre', 'Oil Rush', 'Ojyousama Express', 'Okairi! Chibi-Robo! Happy Richie Oosouji', 'Okage: Shadow King', 'Okami', 'OkamiDen', 'Okashi na Shima no Peter Pan: Sweet Never Land', 'Olympic Hockey 98', 'Olympic Soccer: Atlanta 1996', 'Olympic Summer Games: Atlanta 1996', 'Omega Boost', 'Omega Labyrinth', 'Omega Quintet', 'Omeria: City of Gangsters', 'One Piece Mansion', 'One Piece Unlimited Cruise 1: The Treasure Beneath the Waves', 'One Piece Unlimited Cruise 2: Awakening of a Hero', 'One Piece Unlimited Cruise SP', 'One Piece: Burning Blood', 'One Piece: Daikazoku Coliseum', 'One Piece: Gear Spirit', 'One Piece: Gigant Battle 2 Shin Sekai', 'One Piece: Gigant Battle!', 'One Piece: Grand Battle!', 'One Piece: Pirate Warriors', 'One Piece: Pirate Warriors 2', 'One Piece: Pirate Warriors 3', 'One Piece: Romance Dawn - Bouken no Yoake', 'One Piece: Super Grand Battle X', 'One Piece: Unlimited Adventure', 'One Piece: Unlimited World Red', 'Onechanbara Special', 'Onechanbara Z Kagura', 'Onechanbara 2: Chaos', 'Onechanbara: Bikini Samurai Squad', 'Onechanbara: Bikini Zombie Slayers', 'Oni', 'Onigokko! Portable', 'Onimusha 2: Samurai's Destiny', 'Onimusha 3: Demon Siege', 'Onimusha Essentials', 'Onimusha Tactics', 'Onimusha: Blade Warriors', 'Onimusha: Dawn of Dreams', 'Onimusha: Warlords', 'Online Chess Kingdoms', 'Onna no Ko to Misshitsu ni Itara \*\*shichau Kamoshirenai', 'Onsei Kanjou S okuteiki: Kokoro Scan', 'Oontamarama', 'Ookami Kakushi', 'Ookami to Koushinyou: Boku to Horo no Ichinen', 'Ookami to Koushinyou: Omiowataru Kaze', 'Ookiku Furikabutte: Honto no Ace ni Nareru kamo', 'Open Season', 'Operation Abyss: New Tokyo Legacy', 'Operation Armored Liberty', 'Operation Darkness', 'Operation Flashpoint: Dragon Rising', 'Operation Flashpoint: Elite', 'Operation Flashpoint: Red River', 'Operation: Vietnam', 'Oponoa', 'Option Tuning Car Battle', 'Orcs & Elves', 'Order Up!', 'Order Up!!', 'Order of War', 'Ore no Imouto ga Konna ni Kawaii Wake ga Nai Happy END', 'Ore no Imouto ga Konna ni Kawaii wake ga Nai Portable', 'Ore no Shikabane o Koete Yuke', 'Ore no Yome: Anata Dake no Hanayome', 'Ore wa Shoujo Mangaka', 'Ore-Sama Kingdom: Koi no Manga mo Debut o Mokushieshi! Doki Doki Love Lesson', 'Orega Kantoku Da! Gekitou Pennant Race', 'Oreshika: Tainted Bloodlines', 'Original Frisbee Disc Sports: Ultimate & Golf', 'Original Story from Fairy Tail: Gekitotsu! Kardia Daiseidou', 'Orphen: Scion of Sorcery', 'Oshare Majo Love and Berry: DS Collection', 'Oshiri Kajiri Mushi no Rhythm Lesson DS: Kawai Ongaku Kyoushitsu Kanshuu', 'Osu! Tatakae! Ouendan', 'Otogi 2: Immortal Warriors', 'Otogi: Myth of Demons', 'Otogiriso', 'Otoko Yukaku', 'Otome wa Onesama Boku ni Koi Shiteru Portable', 'Otome wa Onesama ni Koi Shiteru Portable: 2-Jin no Elder', 'Otomedius Excellent', 'Otomedius Gorgeous', 'Otometeki Koi Kakumei \* Love Revo', 'Otometeki Koi Kakumei \* Love Revo! Portable', 'Otometeki Koi Kakumei \* Love Revo! DS', 'Otona no Renai Shousetsu: Harlequin Selection', 'Ou to Maou to 7-nin no Himegimitachi: Shin Ousama Monogatari', 'Ouchi Mainichi Tamagotchi', 'Ouka Sengoku Portable', 'Oumagatoki: Kaidan Romance', 'Our House', 'Our House Party!', 'Ouran Koukou Host Bu', 'OutRun 2', 'OutRun 2006: Coast 2 Coast', 'Outdoors Unleashed: Africa 3D', 'Outdoors Unleashed: Alaska 3D', 'Outlaw Golf', 'Outlaw Golf 2', 'Outlaw Golf: Nine Holes of Christmas', 'Outlaw Tennis', 'Outlaw Volleyball', 'Outlaw Volleyball Remixed', 'Over G Fighters', 'Over the Hedge', 'Over the Hedge: Hammy Goes Nutti!', 'OverBlood', 'OverBlood 2', 'Overlord', 'Overlord II', 'Overlord: Dark Legend', 'Overlord: Minions', 'Overlord: Raising Hell', 'Overwatch', 'Oyaku de Asoberu DS Ehon: Ukkari Penelope', 'Ozzy & Drix', 'P.N.03 - Product Number Three', 'P.T.O. IV: Pacific Theater of Operations', 'PAC-MAN and the Ghostly Adventures', 'PANGYA: Fantasy Golf', 'PBRT: Out of the Culate', 'PC Engine Best Collection: Tengai Makyuu Collection', 'PC Engine Best Collection: Ginga Ojousama Densetsu Collection', 'PD Ultraman Battle Collection 64', 'PDC World Championship Darts 2008', 'PDC World Championship Darts 2009', 'PDC World Championship Darts: Pro Tour', 'PES 2009: Pro Evolution Soccer', 'PGA European Tour', 'PGA Tour 96', 'PGA Tour 97', 'PGR3 - Project Gotham Racing 3', 'PGR4 - Project Gotham Racing 4', 'PGR: Project Gotham Racing 2', 'POed', 'PQ2: Practical Intelligence Quotient', 'PQ: Practical Intelligence Quotient', 'PaRappa The Rapper', 'PaRappa The Rapper 2', 'Pac 'n Roll', 'Pac-Man', 'Pac-Man & Galaga Dimensions', 'Pac-Man All-Stars', 'Pac-Man Championship Edition 2 + Arcade Game Series', 'Pac-Man Collection', 'Pac-Man Fever', 'Pac-Man Party', 'Pac-Man Party 3D', 'Pac-Man Pinball Advance', 'Pac-Man Player's Choice Bundle', 'Pac-Man Power Pack', 'Pac-Man World', 'Pac-Man World 2', 'Pac-Man World 3', 'Pac-Man World Rally', 'Pac-Man and the Ghostly Adventures 2', 'Pac-Man: Adventures in Time', 'Pac-Pix', 'Pachi-Slot Aruze Okuku 2', 'Pachi-Slot Aruze Okuku 3', 'Pachi-Slot Aruze Okuku 4', 'Pachi-Slot Higurashi no Naku Koro ni Matsuri', 'Pachi-Slot Kanzen Kouryaku 3: Universal Koushiki Gaido Volume 3', 'Pachi-Slot Teiou: Golgo 13 Las Vegas (JP sales, but wrong system)', 'PachiPara 13: Super Umi no Pachi-Pro Fuuunroku', 'PachiPara 14: Fuu to Kumo to S uper Umi in Okinawa', 'PachiPara 15: Super Umi Monogatari in Okinawa 2', 'PachiPara 3D', 'PachiPara 3D: Ooumi Monogatari 2 - Pachi Pro Fuuunroku Hana', 'Pachinko Kamen Rider: Shocker Zenmetsu Daisakusen', 'Pachinko Kaou: Misora Hibari', 'Pachinko Wars II', 'Pachitte Chonmage Tatsujin 10: Pachinko Fuyu no Sonata', 'Pachitte Chonmage Tatsujin 12: Pachinko Ultraman', 'Pachitte Chonmage Tatsujin 13: Pachinko Hissatsu Shigotojin III', 'Pachitte Chonmage Tatsujin 15: Pachinko Fuyu no Sonata 2', 'Pachitte Chonmage Tatsujin 16: Pachinko Hissatsu Shigotojin III', 'Pacific Liberator', 'Paddington: Adventures in London', 'Pa inkiller', 'Pa inkiller: Hell & Damnation', 'Pa inkiller: Hell Wars', 'Pajama Sam: Don't Fear The Dark', 'Pajama Sam: You are What You Eat From Your Head to Your Feet', 'Palais de Reine', 'Pandemonium 2', 'Pandemonium', 'Pandora's Tower', 'Panzer Dragon', 'Panzer Dragon II Zwei', 'Panzer Dragon Orta', 'Pan

zer Dragoon Saga', 'Panzer General', 'Panzer Tactics', 'Paper Mario', 'Paper Mario: Color Splash', 'Paper Mario: Sticker Star', 'Paper Mario: The Thousand-Year Door', 'Paperboy', 'Paperboy / Rampage', 'ParaParaParadise', 'ParaWorld', 'Paragon', 'Paranormal Pursuit: The Gifted One', 'Parasite Eve', 'Parasite E ve II', 'Parfait', 'Parfait: Chocolat Second Style', 'Pariah', 'Paris-Dakar Rally', 'Parlor! Mini 2', 'Parlor! Mini 4', 'Parodius', 'Party Pigs: Farmyard Games', 'Pass the Pigs', 'Pastel Chime Continue', 'Patapon', 'Patapon 2', 'Patapon 3', 'Patrician IV', 'Pawly Pets: My Vet Practice', 'Paws & Claws Pet Vet: Australian Adventures', 'Paws & Claws: Dogs & Cats Best Friends', 'Paws & Claws: Marine Rescue', 'Paws & Claws: Pampered Pets', 'Paws & Claws: Pampered Pet s 2', 'Paws & Claws: Pet Resort', 'Paws & Claws: Pet Vet', 'Paws & Claws: Pet Vet 2', 'Paws & Claws: Regal Resort', 'Payday 2', 'Payout Poker & Casino', 'P e-Jongju to Manabu Kankokugo DS: Test-Hen', 'Peak Performance', 'Pebble Beach Golf Links', 'Peggle Nights', 'Peggle: Dual Shot', 'Pen 1 Grand Prix: Penguin no Mondai Special', 'PenPen TriceLon', 'Pengo', 'Penguin no Mondai X: Tenkoo no 7 Senshi', 'Penguin no Mondai: Saikyuu Penguin Densetsu! A Penguin's Troub les', 'Penguin no Mondai: The World', 'Penguins of Madagascar', 'Penny Racers', 'Penny Racers Party: Turbo-Q Speedway', 'Peppa Pig: Fun and Games', 'Peppa Pig: The Game', 'Peppa Pig: Theme Park Fun', 'Percy Jackson and the Olympians: The Lightning Thief', 'Perfect Dark', 'Perfect Dark Zero', 'Perfect Weapo n', 'Period Cube: Torikago no Amadeus', 'Persona', 'Persona 2: Eternal Punishment', 'Persona 4: Arena', 'Persona 4: Arena Ultimax', 'Persona 4: Dancing All Night', 'Persona 4: Golden', 'Persona 5', 'Persona Q: Shadow of the Labyrinth', 'Personal Trainer: Cooking', 'Personal Trainer: Math', 'Personal Trainer: W alking', 'Pet Alien: An Intergalactic Puzzlepalooza', 'Pet Pals: Animal Doctor', 'Pet Pals: New Leash on Life', 'Pet Shop Monogatari DS 2', 'Pet Vet: Down Under', 'Pet Zombies', 'Pet in TV', 'Peter Jackson's King Kong: The Official Game of the Movie', 'Peter Jacobsen's Golden Tee Golf', 'Peter Pan in Disne y's Return to Never Land', 'Petz Bunnyz', 'Petz Bunnyz Bunch', 'Petz Catz Clan', 'Petz Dogz 2', 'Petz Dogz Fashion', 'Petz Fantasy 3D', 'Petz Fantasy: Moon light Magic', 'Petz Fantasy: Sunshine Magic', 'Petz Fashion: Dogz & Catz', 'Petz Hamsterz Superstarz', 'Petz Monkeyz House', 'Petz Nursery', 'Petz Pony: Be auty Pageant', 'Petz Puppzy & Kittenz', 'Petz Rescue: Endangered Paradise', 'Petz Rescue: Ocean Patrol', 'Petz Rescue: Wildlife Vet', 'Petz Sports', 'Petz Wild Animals: Dolphinz', 'Petz Wild Animals: Tigerz', 'Petz: Catz 2', 'Petz: Catz Playground', 'Petz: Crazy Monkeyz', 'Petz: Dogz Family', 'Petz: Dogz Pac k', 'Petz: Dogz Talent Show', 'Petz: Dolphinz Encounter', 'Petz: Hamsterz Bunch', 'Petz: Hamsterz Life 2', 'Petz: Horse Club', 'Petz: Horseshoe Ranch', 'Pe tz: Horsez 2', 'Petz: Saddle Club', 'Phantasy Star Collection', 'Phantasy Star Nova', 'Phantasy Star Online', 'Phantasy Star Online 2', 'Phantasy Star Onli ne 2: Episode 3 Deluxe Package', 'Phantasy Star Online Episode I & II', 'Phantasy Star Online Episode I & II Plus', 'Phantasy Star Online Episode III: C.A. R.D. Revolution', 'Phantasy Star Online Ver. 2', 'Phantasy Star Portable', 'Phantasy Star Portable 2', 'Phantasy Star Portable 2: Infinity', 'Phantasy Star Universe', 'Phantasy Star Universe: Ambition of the Illuminus', 'Phantasy Star Ø', 'Phantom Brave', 'Phantom Brave: The Hermuda Triangle', 'Phantom Brave: We Meet Again', 'Phantom Breaker', 'Phantom Crash', 'Phantom Dust', 'Phantom Kingdom Portable', 'Pharaoh', 'Pheasants Forever Wingshooter', 'Philosoma', 'Phineas and Ferb', 'Phineas and Ferb Ride Again', 'Phineas and Ferb: Across the 2nd Dimension', 'Phoenix', 'Phoenix Wright: Ace Attorney', 'Phoenix Wri ght: Ace Attorney - Dual Destinies', 'Phoenix Wright: Ace Attorney - Justice for All', 'Phoenix Wright: Ace Attorney - Trials and Tribulations', 'Phoenix Wri ght: Ace Attorney Trilogy', 'Phoenix Wright: Revived Turnabout', 'Photokano', 'Pia Carrot e Youkosol! 2.5', 'Picross 2', 'Picross 3D', 'Picross 3D 2', 'Pic ross DS', 'Pictionary', 'Pictionary: Ultimate Edition', 'Pictolmage', 'Picture Perfect Hair Salon', 'Piglet's Big Game', 'Pikmin', 'Pikmin 2', 'Pikmin 3', 'Pillars of Eternity', 'Pillow Pets', 'Pilot ni Narou! 2', 'Pilotwings Resort', 'Pilotwings', 'Pilotwings 64', 'Pimp My Ride', 'Pimp My Ride: Street Racin g', 'Pinball', 'Pinball Hall of Fame: The Gottlieb Collection', 'Pinball Hall of Fame: The Williams Collection', 'Pinball Tycoon', 'Ping Pals', 'Pinalicio us', 'Pinobee: Wings of Adventure', 'Pipe Dreams 3D', 'Pipe Mania', 'Pippa Funnell 2: Farm Adventures', 'Pippa Funnell: Ranch Rescue', 'Pirates PlundArrr', 'Pirates of the Burning Sea', 'Pirates of the Caribbean', 'Pirates of the Caribbean: At World's End', 'Pirates of the Caribbean: Dead Man's Chest', 'Pirate s of the Caribbean: The Curse of the Black Pearl', 'Pirates of the Caribbean: The Legend of Jack Sparrow', 'Pirates vs Ninja Dodgeball', 'Pirates: Duels on the High Seas', 'Pirates: Hunt For Blackbeard's Booty', 'Pirates: Legend of the Black Buccaneer', 'Pirates: The Legend of Black Kat', 'Pitball', 'Pitfall 3 D: Beyond the Jungle', 'Pitfall II: Lost Caverns', 'Pitfall!', 'Pitfall: The Big Adventure', 'Pitfall: The Lost Expedition', 'Pitfall: The Mayan Adventur e', 'PixelJunk Monsters Deluxe', 'Pizza Delivery Boy', 'Planescape: Torment', 'Planet 51', 'Planet Monsters', 'Planet Puzzle League', 'Planet of the Apes', 'Planetarian: Chiisana Hoshi no Yume', 'Planetarium Creator Ohira Takayuki Kanshuu: HomeStar Portable - 21st Century Star Navigator', 'Plants vs. Zombies', 'Plants vs. Zombies: Garden Warfare', 'Plants vs. Zombies: Garden Warfare 2', 'Platinum Sudoku', 'Platypus', 'PlayStation All-Stars Battle Royale', 'PlaySt ation Move Heroes', 'PlayStation VR Worlds', 'Playboy: The Mansion', 'Playmobil Circus', 'Playmobil Knights', 'Playmobil Pirates', 'Playmobil Top Agents', 'Plushees', 'PoPoLoCrois', 'PoPoLoCrois (JP sales)', 'PoPoLoCrois Monogatari', 'PoPoLoCrois Monogatari II', 'PoPoLoCrois Hajimari no Bouken', 'Pocket Dog s', 'Pocket Fighter', 'Pocket Monsters Stadium', 'Pocket Pets', 'Pocket Pool', 'Pocket Soccer League: Calcioit', 'Pocky & Rocky with Becky', 'Point Blan k', 'Point Blank 2', 'Point Blank 3', 'Point Blank DS (JP sales)', 'Point Blank DS (US sales)', 'PokePark 2: Wonders Beyond', 'Pokemon Art Academy', 'Poke mon Battle Revolution', 'Pokemon Black 2/Pokemon White 2', 'Pokemon Black/Pokemon White', 'Pokemon Box: Ruby & Sapphire', 'Pokemon Card GB2: Here Comes Tea m GR1', 'Pokemon Channel', 'Pokemon Conquest', 'Pokemon Dash', 'Pokemon Diamond/Pokemon Pearl', 'Pokemon FireRed/Pokemon LeafGreen', 'Pokemon Gold/Pokemon Silver', 'Pokemon HeartGold/Pokemon SoulSilver', 'Pokemon Mystery Dungeon: Explorers of Sky', 'Pokemon Mystery Dungeon: Explorers of Time/Explorers of Dar kness', 'Pokemon Mystery Dungeon: Gates to Infinity', 'Pokemon Mystery Dungeon: Red/Blue Rescue Team', 'Pokemon Omega Ruby/Pokemon Alpha Sapphire', 'Poke mo n Pinball', 'Pokemon Pinball: Ruby & Sapphire', 'Pokemon Puzzle League', 'Pokemon Ranger', 'Pokemon Ranger: Guardian Signs', 'Pokemon Ranger: Shadows of Al mia', 'Pokemon Red/Pokemon Blue', 'Pokemon Ruby/Pokemon Sapphire', 'Pokemon Rumble Blast', 'Pokemon Rumble World', 'Pokemon Snap', 'Pokemon Stadium', 'Poke mon Sun/Moon', 'Pokemon Super Mystery Dungeon', 'Pokemon Trozei!', 'Pokemon X/Pokemon Y', 'Pokemon XD: Gale of Darkness', 'Poker for Dummies', 'Pocken Tour nament', 'PokéPark Wii: Pikachu's Adventure', 'Pokémon Beach Blank-out Blastoise / Go West Young Meowth Game Boy Advance Video', 'Pokémon Colosseum', 'Poké mon Crystal Version', 'Pokémon Emerald Version', 'Pokémon I Choose You / Squirtle Squad Game Boy Advance Video', 'Pokémon Mystery Dungeon: Blue Rescue Tea m', 'Pokémon Mystery Dungeon: Red Rescue Team (US weekly sales)', 'Pokémon Platinum Version', 'Pokémon Stadium 2', 'Pokémon Trading Card Game', 'Pokémon Ye llow: Special Pikachu Edition', 'Pokémon: For Ho-Oh the Bells Toll: Game Boy Advance Video', 'Pokémon: Johto Photo Finish: Game Boy Advance Video', 'Polar Bowler', 'Polaris', 'Polaris SnoCross', 'Polarium', 'Pole Position', 'Policenauts', 'Polly Pocket: Super Splash Island', 'Pong / Asteroids / Yars' Reveng e', 'Pong: The Next Level', 'Pony Friends', 'Pony Friends 2', 'Pony Friends: Mini Breeds Edition', 'Pony Luv', 'Pool Hall Pro', 'Pool Party', 'Pop Cutie! S treet Fashion Simulation', 'Pop Cutie! Street Fashion Simulation (JP sales)', 'Pop'n Music', 'Pop'n Music 12 Iroha', 'Pop'n Music 13 Carnival', 'Pop'n Musi c 14 Fever!', 'Pop'n Music Portable', 'Pop'n Music Portable 2', 'Pop'n TwinBee: Rainbow Bell Adventure', 'PopCap Arcade Vol 1', 'PopCap Arcade Vol 2', 'Pop Cap Hits!', 'PopCap Hits! Vol 2', 'PopStar Guitar', 'Popeye', 'Popeye: Rush for Spinach', 'Populous DS', 'Populous: The Beginning', 'Porky's', 'Porsche Cha llenge', 'Port Royale 2', 'Port Royale 3', 'Portable Island: Tenohira Resort', 'Portal 2', 'Portal Runner', 'Post Mortem', 'Postman Pat: Special Delivery S ervice', 'Poupee Girl DS', 'Poupee Girl DS 2: Elegant Mint / Sweet Pink Style', 'Power Gig: Rise of the SixString', 'Power Play Pool', 'Power Pocket Koushi en', 'Power Poke Dash', 'Power Pro GB', 'Power Pro Kun Pocket', 'Power Pro Kun Pocket 1+2', 'Power Pro Kun Pocket 10', 'Power Pro Kun Pocket 11', 'Powe r Pro Kun Pocket 12', 'Power Pro Kun Pocket 13', 'Power Pro Kun Pocket 14', 'Power Pro Kun Pocket 2', 'Power Pro Kun Pocket 3', 'Power Pro Kun Pocket 4', 'Powe r Pro Kun Pocket 5', 'Power Pro Kun Pocket 6', 'Power Pro Kun Pocket 8', 'Power Pro Kun Pocket 9', 'Power Pro Success Legends', 'Power Rangers Double Pac k', 'Power Rangers Samurai', 'Power Rangers Super Megaforce', 'Power Rangers: Dino Thunder', 'Power Rangers: Ninja Storm', 'Power Rangers: S.P.D.', 'Power Rangers: Super Legends', 'Power Rangers: Time Force', 'Power Rangers: Wild Force', 'Power Shovel', 'Power Spike Pro Beach Volleyball', 'Power Stakes', 'Pow er Stone', 'Power Stone Collection', 'PowerSlave', 'PowerUp Heroes', 'Powerbike', 'Powerdrome', 'Powerful Golf', 'Poy Poy', 'Poyo Poyo Kansatsu Nikki', 'Pr actise English!', 'Praetorians', 'Predator: Concrete Jungle', 'Prehistorik Man', 'Press Your Luck 2010 Edition', 'Pressure Cooker', 'Pretty Cure All Stars Everyone Gather? Let's Dancel', 'Pretty Rhythm Rainbow Live: Kira Kira My \* Design', 'Pretty Rhythm: My Deco Rainbow Wedding', 'Prey', 'Prey the Stars', 'PriPara & Pretty Rhythm: PriPara de Tsukaeruo Oshare Item 1450!', 'PriPara Mezameyo! Megami no Dress Design', 'PriPara Mezase! Idol Grand Prix No.1!', 'Pr ide FC: Fighting Championships', 'Primal', 'Primal Rage', 'Prince of Persia', 'Prince of Persia (2008)', 'Prince of Persia Trilogy', 'Prince of Persia: Rev elations', 'Prince of Persia: Rival Swords', 'Prince of Persia: The Fallen King', 'Prince of Persia: The Forgotten Sands', 'Prince of Persia: The Sands of Time', 'Prince of Persia: The Two Thrones', 'Prince of Persia: Warrior Within', 'Prince of Stride', 'Princess Arthur', 'Princess Debut', 'Princess Frontie r Portable', 'Princess Isabella: A Witch's Curse', 'Princess Maker 2', 'Princess Maker: Yumemiru Yosei', 'Princess Natasha: Student, Secret Agent, Princes s', 'Princess Saver! Eternal Love for My Lady', 'Princess in Love', 'Princess on Ice', 'Prinny 2: Dawn of Operation Panties, Dood!', 'Prinny: Can I Really Be The Hero? (US sales)', 'Prinny: Can I Really Be the Hero?', 'Prism Ark: Awake', 'Prism: Light the Way', 'Prison Architect', 'Prison Break: The Conspira cy', 'Prisoner of War', 'Pro Angler Moves', 'Pro Baseball Spirits 2015', 'Pro Cast Sports Fishing', 'Pro Cycling Manager 2016', 'Pro Evolution Soccer', 'Pr o Evolution Soccer 2008', 'Pro Evolution Soccer 2008 (JP sales)', 'Pro Evolution Soccer 2010', 'Pro Evolution Soccer 2011 3D', 'Pro Evolution Soccer 2012', 'Pro Evolution Soccer 2013', 'Pro Evolution Soccer 2014', 'Pro Evolution Soccer 2015', 'Pro Evolution Soccer 2016', 'Pro Evolution Soccer 2017', 'Pro Farm 1', 'Pro Fishing Challenge', 'Pro Pinball', 'Pro Pinball: Big Race USA', 'Pro Race Driver', 'Pro Rally', 'Pro Wrestling', 'Pro Yaky? Spirits 2010', 'Pro Y ak? Spirits 2011', 'Pro Yaky? Spirits 2012', 'Pro Yaky? Spirits 2013', 'Pro Yaky? Spirits 2014', 'Pro Yaky? Spirits 3', 'Pro Yaky? Spirits 4', 'Pro Yaky? Spirits 5', 'Pro Yaky? Spirits 6', 'Pro Yakyuu Family Stadium', 'Pro Yakyuu Family Stadium '87', 'Pro Yakyuu Family Stadium '88', 'Pro Yakyuu Famista 201 1', 'Pro Yakyuu Famista DS', 'Pro Yakyuu Famista DS 2009', 'Pro Yakyuu Famista DS 2010', 'Pro Yakyuu Greatest Nine '97', 'Pro Yakyuu Greatest Nine 98', 'Pr o Yakyuu Netsu Star 2006', 'Pro Yakyuu Netsu Star 2007', 'Pro Yakyuu Spirits 5 Kanzenban', 'Pro Yakyuu Team o Tsukurou!', 'Pro Yakyuu Team o Tsukurou! 2', 'Professional Farmer 2016', 'Professional Fisherman's Tour: Northern Hemisphere', 'Professor Heinz Wolff's Gravity', 'Professor Layton and the Azran Legac y', 'Professor Layton and the Curious Village', 'Professor Layton and the Diabolical Box', 'Professor Layton and the Last Specter', 'Professor Layton and t he Mask of Miracle', 'Professor Layton and the Unwound Future', 'Professor Layton vs Phoenix Wright: Ace Attorney', 'Project CARS', 'Project Eden', 'Projec t FIFA World Cup', 'Project Gotham Racing', 'Project Gotham Racing (JP weekly sales)', 'Project Gotham Racing 2 (JP weekly sales)', 'Project Hacker: Kakuse i', 'Project Overkill', 'Project Runway', 'Project Setsuna', 'Project Spark', 'Project Sylphede: Arc of Deception', 'Project V6', 'Project X Zone', 'Projec t X Zone 2: Brave New World', 'Project: Horned Owl', 'Project: Snowblind', 'Prototype: Biohazard Bundle', 'Pryzm Chapter One: The Dark Unicorn', 'Psi-Ops: The Mindgate Conspiracy', 'Psychedelica of the Black Butterfly', 'Psychic Detective', 'Psychic Force', 'Psycho-Pass', 'Psycho-Pass: Mandatory Happiness', 'Psychonauts', 'Pucca Power Up', 'Puchi Puchi Virus', 'Puella Magi Madoka Magica Portable', 'Pulse Racer', 'Pump It Up: Exceed', 'Punch King', 'Punch-Ou t!!', 'Puppet Show 3: Lost Town', 'Puppeteer', 'Puppies 3D', 'Puppy Luv: Spa and Resort', 'Puppy Palace', 'Pure', 'Pure Futbol', 'Pure Pinball', 'Purr Pal s', 'Pursuit Force', 'Pursuit Force: Extreme Justice', 'Puss in Boots', 'Putty Squad', 'Puyo Pop', 'Puyo Pop Fever', 'Puyo Pop Fever (JP sales)', 'Puyo Pop Fever(us sales)', 'Puyo Puyo 7', 'Puyo Puyo Sun', 'Puyo Puyo Sun 64', 'Puyo Puyo Sun Ketteiban', 'Puyo Puyo Tetris', 'Puyo Puyo! 15th Anniversary', 'Puyo P uyo! 20th Anniversary', 'Puzzle & Action: Tant-R', 'Puzzle & Dragons', 'Puzzle & Dragons X: God Chapter / Dragon Chapter', 'Puzzle & Dragons Z & Super Mar io Bros. Edition', 'Puzzle Challenge: Crosswords and More!', 'Puzzle Chronicles', 'Puzzle City', 'Puzzle Guzzle', 'Puzzle Kingdoms', 'Puzzle Quest 2', 'Puz zle Quest: Challenge of the Warlords', 'Puzzle Quest: Galactrix', 'Puzzle Star Sweep', 'Puzzle de Harvest Moon', 'Puzzler Brain Games', 'Puzzler Collectio n', 'Puzzler Mind Gym 3D', 'Puzzler World', 'Puzzler World 2', 'Q\*bert', 'Q-Ball: Billiards Master', 'QUIZ PARTY', 'Qix', 'Quake', 'Quake 4', 'Quake II', 'Quake III: Revolution', 'Quantum Break', 'Quantum Redshift', 'Quantum Theory', 'Qubed', 'Queen's Blade: Spiral Chaos', 'Queen's Gate: Spiral Chaos', 'Que st 64', 'Quick Yoga Training', 'QuickSpot', 'Quiz Magic Academy DS', 'Quiz Magic Academy DS: Futatsu no Jikuu Koku', 'Quiz Mobile Gundam: Toi Senshi DX', 'Quiz Present Variety Q-Sama!! DS: Pressure Study x Atama Gai Kunaru Drill SP', 'Quiz! Hexagon II', 'Quo Vadis', 'R-Type Command', 'R-Type Command (correc t US sales)', 'R-Type Delta', 'R-Type Final', 'R-Type III: The Third Lightning', 'R-Types', 'R.B.I. Baseball 2016', 'R.C. Pro-Am', 'R.U.S.E.', 'R/C Stunt C opter', 'R4: Ridge Racer Type 4', 'R: Racing Evolution', 'RACE On', 'RC Revenge Pro', 'RIFT', 'RIGS: Mechanized Combat League', 'RLH: Run Like Hell', 'RPG Maker', 'RPG Maker 3', 'RPG Maker II', 'RPG Tsukuru 2', 'RPG Tsukuru DS', 'RR64: Ridge Racer 64', 'RTX Red Rock', 'Rabbids Go Home', 'Rabbids Invasion: Th e Interactive TV Show', 'Rabbids Land', 'Rabbids Party Collection', 'Rabbids: Alive & Kicking', 'Race Driver 2006', 'Race Driver: Create & Race', 'Race Pr o', 'Racing Gears Advance', 'Racing Lagoon', 'Racquet Sports', 'Rad Racer', 'Radiant Historia', 'Radiant Silvergun', 'Radiata Stories', 'Rage', 'Rage Race r', 'Ragnarok DS', 'Ragnarok Odyssey', 'Ragnarok: Hikari to Yami no Koujou', 'Raiden Fighters Aces', 'Raiden IV', 'Raiders of the Lost Ark', 'Rail Simulato r', 'Railfan', 'Railroad Tycoon 3', 'Railroad Tycoon II', 'Rain (2013)', 'Rainbow Islands Revolution', 'Rainbow Islands: Revolution', 'Rakushou! Pachi-Slot Sengen 4', 'Rakushou! Pachi-Slot Sengen 5: Rio Paradise', 'Rakushou! Pachi-Slot Sengen 6: Rio 2 Cruising Vanadis', 'RalliSport Challenge', 'RalliSport Chal lenge 2', 'RalliSport Challenge(JP sales)', 'Rally Challenge 2000', 'Rally Championship', 'Rally Cross', 'Rally Cross 2', 'Rally Fusion: Race of Champion

s', 'Rampage', 'Rampage 2: Universal Tour', 'Rampage World Tour', 'Rampage: Total Destruction', 'Ramapo', 'Rango: The Video Game', 'Ranma 1/2: Anekodon Te ki Hihou', 'Rapala Fishing Frenzy 2009', 'Rapala Pro Bass Fishing 2010', 'Rapala Pro Fishing', 'Rapala Tournament Fishing!', 'Rapala Trophies', 'Rapala for Kinect', 'Rapala's Fishing Frenzy', 'Rapala: We Fish', 'Rapid Reload', 'Rare Replay', 'Rascal', 'Rat Attack!', 'Ratatuille', 'Ratatuille: Food Frenzy', 'Ratchet & Clank', 'Ratchet & Clank (2016)', 'Ratchet & Clank Collection', 'Ratchet & Clank Future: A Crack in Time', 'Ratchet & Clank Future: Quest for Booty', 'Ratchet & Clank Future: Tools of Destruction', 'Ratchet & Clank: All 4 One', 'Ratchet & Clank: Full Frontal Assault', 'Ratchet & Clank: Going Commando', 'Ratchet & Clank: Going Commando (JP weekly sales)', 'Ratchet & Clank: Into the Nexus', 'Ratchet & Clank: Quest for Booty', 'Ratchet & Clank: Size Matters', 'Ratchet & Clank: Up Your Arsenal', 'Ratchet & Clank: Up Your Arsenal (Weekly American sales)', 'Ratchet: Deadlocked', 'Rave Master', 'Rave Master: Special Attack Force!', 'Raven Squad: Operation Hidden Dagger', 'Raven's Cry', 'Raving Rabbids: Travel in Time', 'Raving Rabbids: Travel in Time 3D', 'Raw Danger!', 'Raw Danger! (JP sales)', 'Ray Gigant', 'Ray Tracers', 'RayCrisis: Series Termination', 'RayStorm', 'Rayman', 'Rayman 10th Anniversary', 'Rayman 2: Revolution', 'Rayman 2: The Great Escape', 'Rayman 3', 'Rayman 3: Hoodlum Havoc', 'Rayman 3D', 'Rayman Advance', 'Rayman Arena', 'Rayman DS', 'Rayman Legends', 'Rayman Origins', 'Rayman Raving Rabbids', 'Rayman Raving Rabbids 2', 'Rayman Raving Rabbids: TV Party', 'Rayman: Hoodlum's Revenge', 'Raze's Hell', 'Razor Freestyle Scooter', 'Re-Volt', 'ReCore', 'Reactor', 'Reader Rabbit 1st Grade', 'Reader Rabbit 2nd Grade', 'Reader Rabbit Kindergarten', 'Reading Training', 'Ready 2 Rumble Boxing', 'Ready 2 Rumble Boxing: Round 2', 'Ready 2 Rumble Revolution', 'Real Bout Garou Densetsu', 'Real Bout Garou Densetsu Special: Dominated Mind', 'Real Crimes: The Unicorn Killer', 'Real Heroes: Firefighter', 'Real Pool', 'Real Robots Final Attack', 'Real Role', 'Real Soccer 2008', 'Real Soccer 2009', 'Real Sound: Kaze no Riguetto', 'Real Time Conflict: Shogun Empires', 'Real World Golf', 'RealSports Baseball', 'RealSports Boxing', 'RealSports Football', 'RealSports Tennis', 'RealSports Volleyball', 'Reality Fighters', 'Really? Really! DS', 'Rebel Raiders: Operation Nighthawk', 'Rebelstar: Tactical Command', 'Rec Room Games', 'Reco Love: Blue Ocean', 'Record of Agarest War', 'Record of Agarest War 2', 'Record of Agarest War Zero', 'Record of Agarest War: Marriage', 'Record of Lodoss War: Eiyuu Sensou', 'Red Bull BC One', 'Red Dead Redemption', 'Red Dead Redemption: Undead Nightmare', 'Red Dead Revolver', 'Red Faction', 'Red Faction II', 'Red Faction: Armageddon', 'Red Faction: Guerrilla', 'Red Ninja: End of Honor', 'Red Orchestra 2: Heroes of Stalingrad', 'Red Steel', 'Red Steel 2', 'Red Stone DS: Akaki Ishi ni Michibikareshi Monotachi', 'RedCard 20-03', 'Reel Fishing', 'Reel Fishing II', 'Reel Fishing III', 'Reel Fishing Paradise 3D', 'Reel Fishing: Angler's Dream', 'Reel Fishing: The Great Outdoors', 'Refrain no Chika Meikyuu to Ma jo no Ryodan', 'Reign of Fire', 'Reine des Fleurs', 'Reload: Target Down', 'Reloaded', 'Remember Me', 'Remington Great American Bird Hunt', 'Remington Super Slam Hunting: Africa', 'Remington Super Slam Hunting: Alaska', 'Remington Super Slam Hunting: North America', 'Renai 0 Kilometer', 'Renai Banchou: Inochi Meishi, Koiseyo Otome! Love is Power!!!', 'Renai Revenge', 'Renegade Racers', 'Rengoku II: The Stairway to H.E.A.V.E.N.', 'Rengoku II: The Stairway to H.E.A.V.E.N. 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Lost Secret', 'Ro-Kyu-Bu! Secret Photo Op', 'Road & Track Presents: The Need for Speed', 'Road Rash', 'Road Rash 3D', 'Road Rash 64', 'Road Rash: Jailbreak', 'Road Trip', 'Road Trip: Shifting Gears', 'Road Trip: The Arcade Edition', 'RoadKill', 'Roadsters', 'Roadsters 99', 'Roary the Racing Car', 'Robert Ludlum's The Bourne Conspiracy', 'Robin Hood: Defender of the Crown', 'Robinson: The Journey', 'Robo Pit', 'RoboCop', 'Robocalypse', 'Robopon 2: Cross Version', 'Robopon 2: Ring Version', 'Robot Alchemic Drive', 'Robotech: Battletory', 'Robotech: Invasion', 'Robotech: The Macross Saga', 'Robotica', 'RoboticsNotes', 'Robotron 64', 'Robotron X', 'Robotron', 'Rock 'N Roll Racing', 'Rock 'N Roll Adventures', 'Rock Band', 'Rock Band 2', 'Rock Band 3', 'Rock Band 4', 'Rock Band Country Track Pack', 'Rock Band Country Track Pack 2', 'Rock Band Country Track Pack Volume 1', 'Rock Band Country Track Pack Volume 2', 'Rock Band Country Track Pack: Classic Rock', 'Rock Band Unplugged', 'Rock Band: Metal Track Pack', 'Rock Blast', 'Rock N' Roll Racing', 'Rock Revolution', 'Rock of the Dead', 'RockMan & Forte', 'RockMan EXE 4.5 Real Operation', 'Rocket League', 'Rocket Power: Beach Bandits', 'Rocket Power: Dream Scheme', 'Rocket Power: Team Rocket Rescue', 'Rocket Power: Zero Gravity Zone', 'Rocket: Robot on Wheels', 'Rockin' Pretty', 'Rocksmith', 'Rocksmith 2014', 'Rocksmith 2014 Edition Remastered', 'Rockstar Games Double Pack: Grand Theft Auto III & Grand Theft Auto Vice City', 'Rockstar Games presents Table Tennis', 'Rocky', 'Rocky Balboa', 'Rocky: Legends', 'Rodea the Sky Soldier', 'Rogue Galaxy', 'Rogue Galaxy: Director's Cut', 'Rogue Ops', 'Rogue Trip: Vacation 2012', 'Rogue Trooper', 'Rogue Trooper: Quartz Zone Massacre', 'Rogue Warrior', 'Roll Away', 'Rollage', 'Rollage Stage II', 'RollerCoaster Tycoon', 'RollerCoaster Tycoon 2', 'RollerCoaster Tycoon 2: Triple Thrill Pack', 'RollerCoaster Tycoon 3', 'RollerCoaster Tycoon 3: Platinum', 'RollerCoaster Tycoon World', 'RollerCoaster Tycoon: Gold Edition', 'Rollin' Rascals', 'Rolling Stone: Drum King', 'Romance of the Three Kingdoms (3DS)', 'Romance of the Three Kingdoms 13', 'Romance of the Three Kingdoms II', 'Romance of the Three Kingdoms III: Dragon of Destiny', 'Romance of the Three Kingdoms IV: Wall of Fire', 'Romance of the Three Kingdoms IX', 'Romance of the Three Kingdoms VI: Awakening of the Dragon', 'Romance of the Three Kingdoms VII', 'Romance of the Three Kingdoms VIII', 'Romance of the Three Kingdoms X', 'Romance of the Three Kingdoms XI', 'Romance of the Three Kingdoms XII', 'Romancing SaGa', 'Romancing SaGa 2', 'Romancing SaGa 3', 'Rome: Total War', 'Rome: Total War - Gold Edition', 'Romeo Vs. Juliet', 'Rondo of Swords (US sales)', 'Rondo of Swords (jp sales)', 'Roogoo Attack!', 'Roogoo Twisted Towers', 'Room Zoom: Race for Impact', 'Roommate Asami: Okusama wa Joshikousei', 'Roms: The Main Building', 'Root Double: Before Crime After Days', 'Root Infinity Rexx', 'Root Letter', 'Rory McIlroy PGA Tour', 'Rosario to Vampire: Tanabata no Miss Youkai Gakuen', 'Roscoe McQueen: Firefighter Extreme', 'Rose to Tasogare no Kojou', 'Roswell Conspiracies: Aliens, Myths & Legends', 'Routes PE', 'Royal Palace of White Sword and the City of Gentiles', 'Rozen Maiden: Duellwalzer', 'Rozen Maiden: Gebetgarten', 'Rubik's World', 'Rudolph the Red-Nosed Reindeer', 'Rudra no Hihou', 'Ruff Trigger: The Vanocore Conspiracy', 'Rugby 06', 'Rugby 08', 'Rugby 15', 'Rugby 2004', 'Rugby 2005', 'Rugby Challenge 3', 'Rugby League 3', 'Rugby League Live', 'Rugby League Live 3', 'Rugby League Team Manager 2015', 'Rugby World Cup 2011', 'Rugby World Cup 2015', 'Rugrats Studio Tour', 'Rugrats in Paris: The Movie', 'Rugrats: Castle Capers', 'Rugrats: I Gotta Go Party', 'Rugrats: Royal Ransom', 'Rugrats: Scavenger Hunt', 'Rugrats: Search for Reptar', 'Rugrats: Totally Angelica', 'Rule of Rose', 'Rumble Racing', 'Rumble Roses', 'Rumble Roses XX', 'Runabout 3: Neo Age', 'Runaway: A Twist of Fate', 'Rune Factory 2: A Fantasy Harvest Moon', 'Rune Factory 3: A Fantasy Harvest Moon', 'Rune Factory 4', 'Rune Factory: A Fantasy Harvest Moon', 'Rune Factory: Frontier', 'Rune Factory: Tides of Destiny', 'Rune: Viking Warlord', 'Running Wild', 'Rurouni Kenshin: Enjou! 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Otokojuku - Nihon yo, Kore ga Otoko Dearu!', 'Sakura Sakura: Haru Uirare', 'Sakura Taisen 2 - Kimi, Shinitamou Koto Nakare', 'Sakura Taisen Hanagumi Tsuushin', 'Sakura Wars', 'Sakura Wars 1 & 2', 'Sakura Wars 2: Kimi, Shinitamou koto Nakare', 'Sakura Wars 3: Paris wa Moeteiru ka', 'Sakura Wars 4: Koi Seyo, Otome', 'Sakura Wars GB', 'Sakura Wars: Atsuki Chishio Ni', 'Sakura Wars: So Long, My Love', 'Sakura-Sou no Pet na Kanojo', 'Sally's Salon', 'Salon Superstar', 'Salt Lake 2002', 'Saltwater Sportfishing', 'Sam & Max: Beyond Time and Space', 'Sam & Max: Season One', 'Samantha Swift and the Hidden Roses of Athena', 'Samba De Amigo', 'Sammy Sosa High Heat Baseball 2001', 'Samurai & Dragons', 'Samurai Champloo: Sidetracked', 'Samurai Deeper Kyo', 'Samurai Dou Portable', 'Samurai Jack: The Amulet of Time', 'Samurai Jack: The Shadow of Aku', 'Samurai Shodown', 'Samurai Shodown Anthology', 'Samurai Shodown Anthology (JP sales)', 'Samurai Shodown II', 'Samurai Shodown III', 'Samurai Shodown Sen', 'Samurai Shodown V', 'Samurai Shodown: Warriors Rage', 'Samurai Spirits (CD)', 'Samurai Spirit: Tenkaichi Kenkakuden', 'Samurai Warriors', 'Samurai Warriors 2', 'Samurai Warriors 2: Empires', 'Samurai Warriors 2: Xtreme Legends', 'Samurai Warriors 2: Xtreme Legends (JP sales)', 'Samurai Warriors 3', 'Samurai Warriors 4', 'Samurai Warriors 4-II', 'Samurai Warriors 4: Empires', 'Samurai Warriors Chronicles', 'Samurai Warriors Chronicles 2nd', 'Samurai Warriors Chronicles 3', 'Samurai Warriors: Katana', 'Samurai Warriors: Sanada Maru', 'Samurai Warriors: State of War', 'Samurai Warriors: Xtreme Legends', 'Samurai Western', 'San Francisco Rush 2049', 'San Francisco Rush: Xtreme Racing', 'San Goku Shi DS 2', 'San Goku Shi DS 3', 'San Goku Shi Taisen DS', 'San Goku Shi Taisen Ten', 'San Goku Shi V', 'San-X Character Channel: All-Star Daishugou!', 'San-X Land: Theme Park de Asobu!', 'San-X: Chara Sagashi Land', 'Sands of Destruction', 'Sanguo Koi Senki: Omoide Gaeshi - CS Edition', 'Sanguo Koi Senki: Otome no Heihou!', 'Sansuu Puzzle de Migaku: Gakken Otona no Shikou Sense', 'Santa Claus Is Comin' to Town!', 'Sarah: Keeper of the Unicorn', 'Sarui Get You! Million Monkeys', 'Sarui Get You! Pipa Saru Senki', 'Sarui Get You! SaruSaru Daikansen', 'Satisfashion', 'Satomi Hakkenden: Hachi Tamenoki', 'Saturday Night Slam Masters', 'Saturday Night Speedway', 'Saturn Bomberman', 'Savage Skies', 'Saw II: Flesh & Blood', 'Scaler', 'Scared Rider Xechs', 'Scarface: Money. Power. Respect.', 'Scarface: The World Is Yours', 'Scarlett: Nichijou no Kyoukaisen', 'Scene It? Box Office Smash', 'Scene It? Bright Lights! Big Screen!', 'Scene It? Lights Camera Action', 'Scene It? Twilight', 'Schlag den Raab', 'School Days Lxh', 'Science Papa', 'Scooby Doo and the Cyber Chase', 'Scooby-Doo', 'Sco

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Amazing Allies Edition', 'Spin Jam', 'Spirit Camera: The Cursed Memoir', 'Spirit: Stallion of the Cimarron', 'Spirits & Spells', 'Spirits and Demons: 5 Game Pack', 'Spitfire Heroes: Tales of the Royal Air Force', 'SplashDown', 'SplashDown: Rides Gone Wild', 'Splat Renegade Paintball', 'Splatoon', 'Splatterhouse', 'Split/Second', 'SpongeBob SquarePants featuring Nicktoons: Globs of Doom', 'SpongeBob SquarePants: Battle for Bikini Bottom', 'SpongeBob SquarePants: Creature from the Krusty Krab', 'SpongeBob SquarePants: Double Pack', 'SpongeBob SquarePants: Game Boy Advance Video Volume 1', 'SpongeBob SquarePants: Game Boy Advance Video Volume 2', 'SpongeBob SquarePants: Game Boy Advance Video Volume 3', 'SpongeBob SquarePants: Lights, Camera, Pants!', 'SpongeBob SquarePants: Plankton's Robotic Revenge', 'SpongeBob SquarePants: Revenge of the Flying Dutchman', 'SpongeBob SquarePants: SuperSponge', 'SpongeBob SquarePants: The Yellow Avenger', 'SpongeBob SquigglePants', 'SpongeBob SquigglePants 3-D', 'SpongeBob vs The Big One: Beach Party Cook Off', 'SpongeBob's Atlantis SquarePantis', 'SpongeBob's Boating Bash', 'SpongeBob's Surf & Skate Roadtrip', 'SpongeBob's Truth or Square', 'SpongeBob's Truth or Square (US sales)', 'SpongeBob: HeroPants', 'SpongeBob SquarePants / Fairly Odd Parents Double Pack', 'Spore', 'Spore Creatures', 'Spore Hero', 'Spore Hero Arena', 'Sports Car GT', 'Sports Champions', 'Sports Collection', 'Sports Illustrated for Kids: Baseball', 'Sports Illustrated for Kids: Football', 'Spot Goes to Hollywood', 'Spring Cars: Road to Knoxville', 'Sprung - A Game where Everyone Scores', 'Spy Fiction', 'Spy Fox in Dry Cereal', 'Spy Games: Elevator Mission', 'Spy Hunter', 'Spy Hunter / Super Sprint', 'Spy Hunter 2', 'Spy Hunter: Nowhere to Run', 'Spy Kids 3-D: Game Over', 'Spy Kids Challenger', 'Spy vs Spy', 'Spyborgs', 'Spyro 2: Ripto's Rage!', 'Spyro 2: Season of Flame', 'Spyro Orange: The Cortex Conspiracy', 'Spyro the Dragon', 'Spyro: A Hero's Tail', 'Spyro: Attack of the Rhynocs', 'Spyro: Enter the Dragonfly', 'Spyro: Season of Ice', 'Spyro: Shadow Legacy', 'Spyro: Year of the Dragon', 'Squeeballs Party', 'Squinkies', 'Squinkies 2: Adventure Mall Surprise!', 'Squishy Tank', 'Stacked with Daniel Negreanu', 'Stadium Games', 'Stake: Fortune Fighters', 'Star Driver: Kagayaki no Takuto - Ginga Bishounen Densetsu', 'Star Fighter', 'Star Fox', 'Star Fox 64', 'Star Fox 64 3D', 'Star Fox Adventures', 'Star Fox Command', 'Star Fox: Assault', 'Star Fox: Zero', 'Star Gladiator Episode: I Final Crusade', 'Star Ocean', 'Star Ocean 5: Integrity and Faithlessness', 'Star Ocean: Blue Sphere', 'Star Ocean: First Departure', 'Star Ocean: Second Evolution', 'Star Ocean: The Last Hope', 'Star Ocean: The Last Hope International', 'Star Ocean: The Second Story', 'Star Ocean: Till The End of Time', 'Star Soldier', 'Star Soldier: Vanishing Earth', 'Star Trek Online', 'Star Trek: Conquest', 'Star Trek: Invasion', 'Star Trek: Legacy', 'Star Trek: Shattered Universe', 'Star Trek: Tactical Assault', 'Star Trek: The Game', 'Star Trek: Voyager Elite Force', 'Star Wars Battlefront (2015)', 'Star Wars Battlefront: Elite Squadron', 'Star Wars Battlefront: Renegade Squadron', 'Star Wars Episode I: Jedi Power Battles', 'Star Wars Episode I Racer', 'Star Wars Episode I: Battle for Naboo', 'Star Wars Episode I: The Phantom Menace', 'Star Wars Episode II: Attack of the Clones', 'Star Wars Episode III: Revenge of the Sith', 'Star Wars Jedi Knight I: Jedi Outcast', 'Star Wars Jedi Knight: Jedi Academy', 'Star Wars Knights of the Old Republic II: The Sith Lords', 'Star Wars Racer Revenge', 'Star Wars Rogue Leader: Rogue Squadron II', 'Star Wars Rogue Squadron III: Rebel Strike', 'Star Wars Starfighter: Special Edition', 'Star Wars The Clone Wars: Jedi Alliance', 'Star Wars The Clone Wars: Lightsaber Duels', 'Star Wars The Clone Wars: Republic Heroes', 'Star Wars Trilogy: Apprentice of the Force', 'Star Wars: Battlefront', 'Star Wars: Battlefront II', 'Star Wars: Bounty Hunter', 'Star Wars: Clone Wars', 'Star Wars: Dark Forces', 'Star Wars: Demolition', 'Star Wars: Empire at War', 'Star Wars: Empire at War - Forces of Corruption', 'Star Wars: Empire at War - Gold Pack', 'Star Wars: Flight of the Falcon', 'Star Wars: Jedi Power Battles', 'Star Wars: Jedi Starfighter', 'Star Wars: Knights of the Old Republic', 'Star Wars: Lethal Alliance', 'Star Wars: Masters of Teras Kasi', 'Star Wars: Obi-Wan', 'Star Wars: Rebel Assault II - The Hidden Empire', 'Star Wars: Republic Commando', 'Star Wars: Rogue Squadron', 'Star Wars: Shadows of the Empire', 'Star Wars: Starfighter', 'Star Wars: Super Bombad Racing', 'Star Wars: The Clone Wars & Tetris Worlds', 'Star Wars: The Force Unleashed', 'Star Wars: The Force Unleashed II', 'Star Wars: The Old Republic', 'Star X', 'StarBlade α', 'StarCraft', 'StarCraft II: Heart of the Swarm', 'StarCraft II: Legacy of the Void', 'StarCraft II: Wings of Liberty', 'Starcraft 64', 'Starhawk', 'Starry? Sky: After Autumn', 'Starry? Sky: After Spring', 'Starry? Sky: After Summer', 'Starry? Sky: In Autumn', 'Starry? Sky: In Summer', 'Starry? Sky: In Winter', 'Starship Troopers', 'Starshot: Space Circus Fever', 'Starsky & Hutch', 'Start the Party!', 'Start the Party! Save the World', 'Starwinder: The Ultimate Space Race', 'State of Decay', 'State of Emergency', 'State of Emergency 2', 'Steel Princess', 'Steambot Chronicles', 'Steambot Chronicles: Battle Tournament', 'Steel Battalion', 'Steel Battalion: Heavy Armor', 'Steel Battalion: Line of Contact', 'Steel Diver', 'Steins;Gate', 'Steins;Gate 0', 'Steins;Gate: Hiroyuki Renri no Darling', 'Steins;Gate: Senkei Kousoku no Phonogram', 'Stella Deus: The Gate of Eternity', 'Stella Glow', 'Stellaris', 'Still Life', 'Still Life 2', 'StokEd', 'Stoked: Big Air Edition', 'Stolen', 'Stolen Song', 'Storm Lover 2nd', 'Storm Lover 2nd V', 'Storm Lover Kall!', 'StormLover', 'StormLover Kare n!', 'Stormrise', 'Story Hour: Adventures', 'Story Hour: Fairy Tales', 'Story of Seasons', 'Story of Seasons: Good Friends of the Three Villages', 'Storybook Workshop', 'Stranger of Sword City', 'Stranglehold', 'Strawberry Nauts', 'Strawberry Shortcake: Game Boy Advance Video Volume 1', 'Strawberry Shortcake: Strawberryland Games', 'Strawberry Shortcake: Summertime Adventure', 'Streak: Hoverboard Racing', 'Street Fighter Alpha 2', 'Street Fighter Alpha 3', 'Street Fighter Alpha 3 MAX', 'Street Fighter Alpha: Warriors' Dreams', 'Street Fighter Anniversary Collection', 'Street Fighter Collection', 'Street Fighter EX Plus Alpha', 'Street Fighter EX2 Plus', 'Street Fighter EX3', 'Street Fighter II Turbo', 'Street Fighter II: Special Champion Edition', 'Street Fighter II: Special Champion Edition (JP weekly sales)', 'Street Fighter II: The World Warrior', 'Street Fighter IV', 'Street Fighter V', 'Street Fighter X Tekken', 'Street Fighter: The Movie', 'Street Hoops', 'Street Jam Basketball', 'Street Racer', 'Street Sk8er', 'Street Supremacy', 'Streets of Rage', 'Streets of Rage 3', 'Stretch Panic', 'Strider (2014)', 'Strider 2', 'Strike Force Bowling', 'Strike Point', 'Strike Witches 2: Iyasa Naosu Punipuniusu', 'Strike Witches: Anata to Dekiru Koto - A Little Peaceful Days', 'Strike Witches: Aoi no Dengekisen - Shin Taichou Funtousuru!', 'Strike Witches: Shirogane no Tsubasa', 'Striker 96', 'Strikers 1945', 'Strongest Tokyo University Shogi DS', 'Stronghold', 'Stronghold 2 Deluxe', 'Stronghold 3', 'Stronghold Crusader Extreme', 'Stronghold Kingdoms', 'Stronghold Legends', 'Stuart Little 2', 'Stuart Little 3: Big Photo Adventure', 'Stubbs the Zombie in Rebel Without a Pulse', 'Stunt GP', 'Stunt Race FX', 'Stuntman', 'Stuntman: Ignition', 'Style Book: Cinnamorilli', 'Style Book: Junior City', 'Style Lab: Jewelry Design', 'Style Lab: Makeover', 'Style Savvy', 'Style Savvy: Trendsetters', 'Sub Rebellion', 'Sudeki', 'Sudoku Ball Detective', 'Sudoku Fever', 'Sudoku Gridmaster', 'Sudoku Gridmaster (JP sales)', 'Sudoku Mania', 'Sudoku', 'Sugar & Spice! Anoko no Suteki na Nanimokamo', 'Sugoi! Arcana Heart 2', 'Sugoi Hebereke', 'Suikoden', 'Suikoden II', 'Suikoden III', 'Suikoden IV', 'Suikoden Tactics', 'Suikoden Tierkreis', 'Suikoden V', 'Suikoden: Tsumugareshi Hyakunen no Toki', 'Suite Pre Cure: Melody Collection', 'Sumikko Gurashi: Koko ga Ochitsukundesu', 'Sumikko Gurashi: Mura o Tsukurundesu', 'Sumikko Gurashi: Omise Hajimerundesu', 'Summer Athletics', 'Summer Athletics 2009', 'Summer Athletics: The Ultimate Challenge', 'Summer Athletics: The Ultimate Challenge (Others sales)', 'Summer Athletics: The Ultimate Challenge (US sales)', 'Summer Challenge: Athletics Tournament', 'Summer Heat Beach Volleyball', 'Summer Sports 2: Island Sports Party', 'Summer Sports: Paradise Island', 'Summer Sports: Paradise Island (Others sales)', 'Summer Night', 'Summer Night 2', 'Summer Night 3', 'Summer Night 4', 'Summer Night 5', 'Summer Night 6: Lost Borders', 'Summer Night Craft Sword Monogatari: Hajimari no Ishi', 'Summer Night EX-Thesis: Yoake no Tsubasa', 'Summer Night Granthese: Horobi no Ken to Yakusoku no Kishi', 'Summer Night X: Tears Crown', 'Summer Night: Swordcraft Story', 'Summer Night: Twin Age', 'Summer Night', 'Summer 2', 'Summer: A Goddess Reborn', 'Sunday vs Magazine Shuuketsu! Choujou Daikessen', 'Sunny Garcia Surfing', 'Sunrise Eiyuutan R', 'Sunset Overdrive', 'Super Adventure Island', 'Super Army War', 'Super Baseball', 'Super Baseball Simulator 1.000', 'Super Batter Up', 'Super Battle For Money Sentou chu: Kyuukyoku no Shinobu to Battle Player Choujou Kessen!', 'Super Black Bass Fishing', 'Super Bomberman', 'Super Bomberman 2', 'Super Bomberman 3', 'Super Bomberman 4', 'Super Bomberman 5', 'Super Bowling', 'Super Breakout', 'Super Bubble Pop', 'Super Bust-A-Move', 'Super Castlevania IV', 'Super Collapse! 3', 'Super Collapse! II', 'Super Dodge Ball II', 'Super Dodge Ball Advance', 'Super Dodgeball Brawlers', 'Super Dodgeball Brawlers (jp sales)', 'Super Dragon Ball Z', 'Super Dungeon Bros', 'Super Duper Sumos', 'Super Famista 3', 'Super Famista 4', 'Super Famista 5', 'Super Fire ProWrestling', 'Super Fire ProWrestling Special', 'Super Fire ProWrestling X', 'Super Football', 'Super Formation Soccer 94', 'Super Fruit Fall', 'Super Ghouls 'n Ghosts', 'Super Hero Generation', 'Super Heroine Chronicle', 'Super Jinsei Game 2', 'Super Mahjong 2: Honkaku 43in Uchi', 'Super Mario 3D Land', 'Super Mario 3D World', 'Super Mario 64', 'Super Mario Advance', 'Super Mario All-Stars', 'Super Mario All-Stars: Limited Edition', 'Super Mario Bros.', 'Super Mario Bros. 2', 'Super Mario Bros. 3', 'Super Mario Bros.: The Lost Levels', 'Super Mario Galaxy', 'Super Mario Galaxy 2', 'Super Mario Kart', 'Super Mario Land', 'Super Mario Land 2: 6 Golden Coins', 'Super Mario Land 3: Wario Land', 'Super Mario Maker', 'Super Mario RPG: Legend of the Seven Stars', 'Super Mario Strikers', 'Super Mario Sunshine', 'Super Mario World', 'Super Mario World 2: Yoshi's Island', 'Super Meat Boy: Ultra Edition!', 'Super Metroid', 'Super Momotarou Dentetsu DX', 'Super Momotarou Dentetsu III', 'Super Monkey Ball', 'Super Monkey Ball 2', 'Super Monkey Ball 3D', 'Super Monkey Ball Adventure', 'Super Monkey Ball Deluxe', 'Super Monkey Ball Jr.', 'Super Monkey Ball: Banana Blitz', 'Super Monkey Ball: Step & Roll', 'Super Monkey Ball: Touch & Roll', 'Super Nazo Puyo Tsuu: Pri ruu no Tetsuwan Hanjyouki', 'Super Nazo Puyo: Ruruu no Ruu', 'Super Paper Mario', 'Super PickUps', 'Super Power League', 'Super Power League 2', 'Super Princess Peach', 'Super Puyo Puyo', 'Super Puyo Puyo 2', 'Super Puzzle Fighter II', 'Super Puzzle Fighter II Turbo', 'Super R-Type', 'Super R.C. Pro-Am', 'Super Real Mahjong Graffiti', 'Super Real Mahjong P V', 'Super Robot Gakuen', 'Super Robot Monkey Team: Game Boy Advance Video Volume 1', 'Super Robot Spirit', 'Super Robot Taisen 64', 'Super Robot Taisen A', 'Super Robot Taisen A Portable', 'Super Robot Taisen Compact 2 Dai-1-Bu', 'Super Robot Taisen Complete Box', 'Super Robot Taisen D', 'Super Robot Taisen EX', 'Super Robot Taisen F', 'Super Robot Taisen F Kanketsuhen', 'Super Robot Taisen Impact', 'Super Robot Taisen J', 'Super Robot Taisen K', 'Super Robot Taisen L', 'Super Robot Taisen MX', 'Super Robot Taisen MX Portable', 'Super Robot Taisen Neo', 'Super Robot Taisen OG Infinite Battle', 'Super Robot Taisen OG Saga: Endless Frontier', 'Super Robot Taisen OG Saga: Endless Frontier (JP sales)', 'Super Robot Taisen OG Saga: Masou Kishin III - Pride of Justice', 'Super Robot Taisen OG: Original Generations', 'Super Robot Taisen OG: Original Generations Gaiden', 'Super Robot Taisen R', 'Super Robot Taisen UX', 'Super Robot Taisen W', 'Super Robot Taisen XO', 'Super Robot Taisen Z', 'Super Robot Taisen Z Special Disc', 'Super Robot Taisen A', 'Super Robot Taisen a Gaiden', 'Super Robot Taisen: Original Generation', 'Super Robot Taisen: Scramble Commander', 'Super Robot Taisen: Scramble Commander the 2nd', 'Super Robot Wars BX', 'Super Robot Wars OG Saga Masou Kishin F: Coffin of the End', 'Super Robot Wars OG Saga: Masou Kishin - The Lord of Elemental', 'Super Robot Wars OG Saga: Masou Kishin II - Revelation of Evil God', 'Super Robot Wars OG: The Moon Dwellers', 'Super Run For Money Tousouchuu Atsumare! Saikyuu no Tousou Monotachi', 'Super Scope 6', 'Super Scribblenaunts', 'Super Sentai Battle: Ranger Cross', 'Super Smash Bros.', 'Super Smash Bros. Brawl', 'Super Smash Bros. Melee', 'Super Smash Bros. for Wii U and 3DS', 'Super Soccer', 'Super Speed Machines', 'Super Stardust Ultra VR', 'Super Street Fighter II', 'Super Street Fighter II: Turbo Revival', 'Super Street Fighter IV: 3D Edition', 'Super Swing Golf', 'Super Swing Golf Season 2', 'Super Trucks Racing', 'Super Wagon Land', 'SuperCar Challenge', 'Superbike 2000', 'Supercar Street Challenge', 'Supercross 2000', 'SuperDimensions Neptune vs Sega Hard Girls', 'Superman Returns', 'Superman: Countdown to Apokolips', 'Superman: Shadow of Apokolips', 'Superman: The Man of Steel', 'Superman: The New Superman Adventures', 'Supermodel Makeover by Lauren Luke', 'Superstars V8 Racing', 'Supremacy MMA', 'Supreme Commander', 'Supreme Commander 2', 'Supreme Commander: Forged Alliance', 'Supreme Ruler: Cold War', 'Surf Riders', 'Surf's Up', 'Surfing H30', 'Sushi Academy', 'Sushi Go-Round', 'Suuji Taisen', 'Suzuki Super-Bikes II: Riding Challenge', 'Suzuki TT Superbikes', 'Suzumiya Haruhi no Chokuretsu', 'Suzumiya Haruhi no Gekidou', 'Suzumiya Haruhi no Heiretsu', 'Suzumiya Haruhi no Tomadoi', 'Suzumiya Haruhi no Tsumisou', 'Suzumiya Haruhi no Yakusoku', 'Suzumiya Haruhi-Chan no Mahjong', 'Suzunone Sen: Rebirth Knot', 'Sweet Honey Coming', 'Swing Away Golf', 'Swingerz Golf', 'Sword & Sorcery', 'Sword Art Online: Game Director's Edition', 'Sword Art Online: Hollow Fragment', 'Sword Art Online: Hollow Realization', 'Sword Art Online: Infinity Moment', 'Sword Art Online: Lost Song', 'Sword of Mana', 'Sword

of the Samurai', 'Swords', 'Syberia', 'Syberia II', 'Sydney 2000', 'Syndicate', 'Syndicate Wars', 'Syphon Filter', 'Syphon Filter 2', 'Syphon Filter 3', 'Syphon Filter: Dark Mirror', 'Syphon Filter: Logan's Shadow', 'Syphon Filter: The Omega Strain', 'System 3 presents Ferrari Challenge Trofeo Pirelli', 'Syst em Flaw', 'Sébastien Loeb Rally Evo', 'T'ai Fu: Wrath of the Tiger', 'T.A.C. Heroes : Big Red One', 'T.R.A.G. - Tactical Rescue Assault Group: Mission of M ercy', 'TERRA', 'TMNT', 'TMNT: Mutant Melee', 'TNA IMPACT!', 'TNA IMPACT: Cross the Line', 'TNN Motor Sports Hardcore 4x4', 'TOCA 2: Touring Cars', 'TOCA Ra ce Driver 2', 'TOCA Race Driver 2: Ultimate Racing Simulator', 'TOCA Race Driver 3', 'TOCA Touring Car Championship', 'TOEIC Test Training DS', 'TRINITY: S ouls of Zill O'll', 'TRON: Evolution', 'TRON: Evolution - Battle Graces', 'TV Anime Idolmaster: Cinderella Girls G4U! Pack Vol.1', 'TV Anime Idolmaster: Cin derella Girls G4U! Pack Vol.2', 'TV Anime Idolmaster: Cinderella Girls G4U! Pack Vol.3', 'TV Anime Idolmaster: Cinderella Girls G4U! Pack Vol.4', 'TV Anime Idolmaster: Cinderella Girls G4U! Pack Vol.5', 'TV Anime Idolmaster: Cinderella Girls G4U! Pack Vol.6', 'TV Anime Idolmaster: Cinderella Girls G4U! Pack Vo l.7', 'TV Anime Idolmaster: Cinderella Girls G4U! Pack Vol.8', 'TV Anime Idolmaster: Cinderella Girls G4U! Pack Vol.9', 'TV Anime: Fairy Tale Gekitou! Mado ushi Kessen', 'TV Show King Party', 'TV Superstars', 'TV Total Events', 'Tabi no Yubisashi Kaiwachou DS: DS Series 1 Thai', 'Tabi no Yubisashi Kaiwachou D S: DS Series 2 Chuugoku', 'Tabi no Yubisashi Kaiwachou DS: DS Series 3 Kankoku', 'Tabi no Yubisashi Kaiwachou DS: DS Series 4 America', 'Tabi no Yubisashi Kaiwachou DS: DS Series 5 Deutsch', 'Tactics Layer: Ritina Guard Senki', 'Tactics Ogre: Let Us Cling Together', 'Tactics Ogre: The Knight of Lodis', 'Tag Team Match M.U.S.C.L.E.', 'Tago Akira no Atama no Taisou Dai-1-Shuu: Nazotoki Sekai Isshuu Ryokou', 'Tago Akira no Atama no Taisou Dai-2-Shuu: Ginga Oudan Nazotoki Adventure', 'Taiho Shichauzo!', 'Taiko Drum Master', 'Taiko Drum Master: Don and Katsu's Space-Time Great Adventure', 'Taiko Drum Master: Tokumoru il', 'Taiko no Tatsujin DS: Dororon! Youkai Daikessen!!', 'Taiko no Tatsujin DS: Touch de Dokodon!', 'Taiko no Tatsujin Portable 2', 'Taiko no Tatsujin Por table DX', 'Taiko no Tatsujin Wii', 'Taiko no Tatsujin Wii: Dodon to 2 Yome!', 'Taiko no Tatsujin Wii: Ketteiban', 'Taiko no Tatsujin Wii: Minna de Party \* 3-Yome!', 'Taiko no Tatsujin: Appare Sandaime', 'Taiko no Tatsujin: Atsumete Tomodachi Daisakusen!', 'Taiko no Tatsujin: Chibi Dragon to Fushigi na Orb', 'Taiko no Tatsujin: Doki! Shinkyoku Darake no Haru Matsuri', 'Taiko no Tatsujin: Don Don! Mystery Adventure', 'Taiko no Tatsujin: Gol Go! Godaime', 'Taiko no Tatsujin: Tatakoto de Dodon ga Don', 'Taiko no Tatsujin: V Version', 'Taiko no Tatsujin: Waku Waku Anime Matsuri', 'Taiko no Tatsujin: Wii U Version!', 'Taikou Risshidden V', 'Tail Concerto', 'Tail of the Sun', 'Taishou Moebius Line Vitable', 'Taishou x Alice: All in One', 'Taigo Legends', 'Taigo Legends 2', 'Taigo Legends Power Up', 'Tak 2: The Staff of Dreams', 'Tak and the Guardians of Gross', 'Tak and the Power of Juju', 'Tak: Mojo Mistake', 'Tak: The Great Juju Challenge', 'Take A Break's: Puzzle Master', 'Take On Helicopters', 'Tale of a Hero', 'Tales of Berseria', 'Tales of Destiny', 'Tales of Destin y 2', 'Tales of Destiny II', 'Tales of Eternia', 'Tales of Fandom Vol.2', 'Tales of Graces', 'Tales of Graces f', 'Tales of Hearts', 'Tales of Innocence', 'Tales of Innocence R', 'Tales of Legendia', 'Tales of Phantasia', 'Tales of Phantasia (PS1 & PSP Versions)', 'Tales of Phantasia: Narikiri Dungeon X', 'T ales of Rebirth', 'Tales of Symphonia', 'Tales of Symphonia: Dawn of the New World', 'Tales of VS.', 'Tales of Vesperia', 'Tales of Xillia', 'Tales of Zest iria', 'Tales of the Abyss', 'Tales of the Heroes: Twin Brave', 'Tales of the Tempest', 'Tales of the World: Narikiri Dungeon 2', 'Tales of the World: Radi ant Mythology', 'Tales of the World: Radiant Mythology 2', 'Tales of the World: Radiant Mythology 3', 'Tales of the World: Reve Unitia', 'TalkMan', 'TalkMa n (Japan)', 'Tamagotchi', 'Tamagotchi Collection', 'Tamagotchi Connection: Corner Shop', 'Tamagotchi Connection: Corner Shop 2', 'Tamagotchi Connection: Co rner Shop 3', 'Tamagotchi Party On!', 'Tamagotchi no Appare! Niji Venture', 'Tamagotchi no Doki Doki Dream Omiseccchi', 'Tamagotchi no KiraKira Omiseccchi', 'Tamagotchi no Narikiri Challenge', 'Tamagotchi no Narikiri Channel', 'Tamagotchi no Pichi Pichi Omiseccchi', 'Tanjou S Debut', 'Tank Beat', 'Tank! Tank! T anki!', 'Tantei Jinguuji Saburo DS: Fuserareta Shinjitsu', 'Tantei Jinguuji Saburo DS: Kienai Kokoro', 'Tantei Jinguuji Saburo: Hai to Diamond', 'Tantei Ope ra: Milky Holmes', 'Tao Adventure: Curse Demon', 'Tao Feng: Fist of the Lotus', 'Target: Terror', 'Tatsunoko vs. Capcom: Cross Generation of Heroes', 'Tats unoko vs. Capcom: Ultimate All-Stars', 'Taz Wanted', 'Team Elimination Games', 'Tear Ring Saga Yutona Eiyuu Senki', 'Tearaway', 'Tearaway Unfolded', 'Tears to Tiara Anecdotes: The Secret of Avalon', 'Tears to Tiara II: Heir of the Overlord', 'Tears to Tiara: Garland of the Earth', 'Tears to Tiara: Kakan no Dai chi Portable', 'Technic Beat', 'Tecmo Bowl: Kickoff', 'Tecmo Classic Arcade', 'Tecmo Super Bowl', 'Tecmo's Deception', 'Teddy Together', 'Teen Titans', 'Te enage Mutant Ninja Turtles', 'Teenage Mutant Ninja Turtles (3DS)', 'Teenage Mutant Ninja Turtles 2: Battle Nexus', 'Teenage Mutant Ninja Turtles 3: Mutant Nightmare', 'Teenage Mutant Ninja Turtles Double Pack', 'Teenage Mutant Ninja Turtles II: Back from the Sewers', 'Teenage Mutant Ninja Turtles II: The Arc ade Game', 'Teenage Mutant Ninja Turtles III: The Manhattan Project', 'Teenage Mutant Ninja Turtles: Arcade Attack', 'Teenage Mutant Ninja Turtles: Danger of the Ooze', 'Teenage Mutant Ninja Turtles: Game Boy Advance Video Volume 1', 'Teenage Mutant Ninja Turtles: Mutants in Manhattan', 'Teenage Mutant Ninja Turtles: Smash-Up', 'Teenage Mutant Ninja Turtles: Tournament Fighters', 'Teenage Zombies: Invasion of the Alien Brain Thingys', 'Tegami Bachi: Kokoro Tsum ugu Mono e', 'Tekken', 'Tekken 2', 'Tekken 3', 'Tekken 3D: Prime Edition', 'Tekken 4', 'Tekken 5', 'Tekken 6', 'Tekken Advance', 'Tekken Tag Tournament', 'Tekken Tag Tournament 2', 'Tempest 3X', 'Ten Pin Alley 2', 'Tenchi Muyo! Ryoukoku Gokuraku', 'Tenchu 2: Birth of the Stealth Assassins', 'Tenchu San Po rtable', 'Tenchu Z', 'Tenchu: Dark Secret', 'Tenchu: Fatal Shadows', 'Tenchu: Return From Darkness', 'Tenchu: Shadow Assassins', 'Tenchu: Stealth Assassin s', 'Tenchu: Wrath of Heaven', 'Tengai Makyo: Dai Yon no Mokushiroku', 'Tengai Makyou: Daishi no Mokushiroku - The Apocalypse IV', 'Tengen Toppa Gurren-Lag ann', 'Tenjin Ranman: Happy GO Lucky!!', 'Tenka-bitō', 'Tenkai Knights: Brave Battle', 'Tenkaichi \* Sengoku Lovers', 'Tennis', 'Tennis Masters Series 200 3', 'Tennis no Oji-Sama Gyutto! DokiDoki Survival - Umi to Yama no Love Passion', 'Tennis no Oji-Sama: 2005 Crystal Drive', 'Tennis no Oji-Sama: Aim at The Victory!', 'Tennis no Oji-Sama: Card Hunter', 'Tennis no Oji-Sama: DokiDoki Survival - Sanroku no Mystic', 'Tennis no Oji-Sama: DokiDoki Survival - Umibe n o Secret', 'Tennis no Oji-Sama: Doubles no Oji-Sama - Boys, Be Glorious!', 'Tennis no Oji-Sama: Doubles no Oji-Sama - Girls, Be Gracious!', 'Tennis no Oji-Sama: Driving Smash! Side King', 'Tennis no Oji-Sama: Genius Boys Academy', 'Tennis no Oji-Sama: Motto Gakuensai no Oji-Sama - More Sweet Edition', 'Tensh ou Gakuen Gekkouroku', 'Terminator 3: Rise of the Machines', 'Terminator 3: The Redemption', 'Terminator Salvation', 'Terranigma', 'Terraria', 'Test Driv e', 'Test Drive 4', 'Test Drive 5', 'Test Drive 6', 'Test Drive Le Mans', 'Test Drive Off-Road Wide Open', 'Test Drive Unlimited', 'Test Drive Unlimited 2', 'Test Drive: Eve of Destruction', 'Test Drive: Ferrari Legends', 'Test Drive: Off Road', 'Tetris', 'Tetris 2', 'Tetris 2 (All region sales)', 'Tetris 2 (weekly jp sales)', 'Tetris 2 + Bombliss', 'Tetris Attack', 'Tetris Axis', 'Tetris DS', 'Tetris DX', 'Tetris Evolution', 'Tetris Party Deluxe', 'Tetris Plus', 'Tetris Worlds', 'Tetris Worlds (Online Edition)', 'Tetrisphere', 'Texas Hold 'Em Poker', 'Texas Hold 'Em Poker DS', 'That's So Raven', 'That's So Raven 2: Supernatural Style', 'That's So Raven: Psychic on the Scene', 'The \$1 Pyramid', 'The 3rd Birthday', 'The 7th Guest', 'The Activision Decathlon', 'The Adventures of Cookie & Cream', 'The Adventures of Darwin', 'The Adventures of Jimmy Neutron Boy Genius vs. Jimmy Negatron', 'The Adventures of Jimmy Neutron Boy Genius: Attack of the Twonkies', 'The Adventures of Jimmy Neutron Boy Genius: Jet Fusion', 'The Adventures of Lomax', 'The Adventures of Tinti n: The Game', 'The Amazing Race', 'The Amazing Spider-Man (Console Version)', 'The Amazing Spider-Man (DS & Mobile Versions)', 'The Amazing Spider-Man 2 (2 014)', 'The Ant Bully', 'The Awakened Fate Ultimatum', 'The BIGS', 'The BIGS 2', 'The Bachelor: The Videogame', 'The Backyardigans', 'The Bard's Tale', 'Th e Battle of Yuu Yuu Hakusho: Shitoe! 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2: Undercover', 'Totally Spies! Totally Party', 'Tottadoo! Yoiko no Mujintou Seikatsu', 'Touch 'N' Pl ay Collection', 'Touch Detective', 'Touch Detective (JP sales)', 'Touch Detective 2 1/2', 'Touch Detective 3: Does Fungui Dream of Bananas?', 'Touch Detect ive: Nameko Shigeru', 'Touch Mechanic', 'Touch My Katamari', 'Touch Shot! Love Application', 'Touch the Dead', 'TouchMaster', 'TouchMaster 2', 'TouchMaste r 3', 'TouchMaster 3(Others sales)', 'TouchMaster: Connect', 'Touhou Daigaku Mirai Kagaku Gijutsu Kyoudou Kenkyuu Center Kawashima Ryuuta Kyouju Kanshu: N ou Ryokuu Trainer Portable', 'Touhou Genso Rondo: Bullet Ballet', 'Toukiden 2', 'Toukiden Kiwami', 'Toukiden: The Age of Demons', 'Tour de France 2011', 'To ur de France 2014', 'Tourist Trophy: The Real Riding Simulator', 'Tournament Pool', 'Tournament of Legends', 'Toushin Toshi', 'Toxic Grind', 'Toy Shop', 'T oy Soldiers: War Chest', 'Toy Story 2: Buzz Lightyear to the Rescue!', 'Toy Story 3: The Video Game', 'Toy Story Mania!', 'Toy Story Racer', 'Trace Memor y', 'TrackMania DS', 'TrackMania Turbo', 'TrackMania Turbo: Build to Race', 'TrackMania: Build to Race', 'Trade & Battle: Card Hero', 'Train Simulator 201 6', 'Transformers Animated: The Game', 'Transformer: Rise of the Dark Spark', 'Transformer: Rise of the Dark Spark (3DS)', 'Transformers', 'Transformers: A utobots / Decepticons', 'Transformers: Beast Wars Transmetals', 'Transformers: Cybertron Adventures', 'Transformers: Dark of the Moon', 'Transformers: Dark of the Moon - Autobots/Decepticons', 'Transformers: Devastation', 'Transformers: Fall of Cybertron', 'Transformers: Prime', 'Transformers: Revenge of the F allen (DS Versions)', 'Transformers: Revenge of the Fallen (Wii & PS2 Version)', 'Transformers: Revenge of the Fallen (Xbox 360, PS3, & PC Versions)', 'Tra nsformers: The Game (XBox 360, PS2, PS3, Wii & PC Versions)', 'Transformers: War for Cybertron (DS Version)', 'Transformers: War for Cybertron (Xbox 360, P S3, & PC Versions)', 'Transformers: War for Cybertron -- Decepticons', 'Transport Fever', 'Transworld Snowboarding', 'Transworld Surf', 'Trap Gunner: Count down to Oblivion', 'Trapped Dead', 'Trapt', 'Trauma Center: New Blood', 'Trauma Center: Second Opinion', 'Trauma Center: Under the Knife', 'Trauma Center: Under the Knife 2', 'Trauma Team', 'Travel Coach: Europe 1', 'Travel Games For Dummies', 'Treasure Chase', 'Treasure Gaust: Gaust Diver Crimson Red / Deep Purple', 'Treasure Hunter G', 'Treasure Report: Kikai Jikake no Isan', 'Treasure World', 'Treasures of the Deep', 'Trials Fusion', 'Tribes: Aerial Assaul t', 'Trick DS-han: Kakushi Kami no Sumukan', 'Trick x Logic: Season 1', 'Trick x Logic: Season 2', 'Trigger Man', 'Triggerheart Exelica Enhanced', 'Trigge rheart Exelica', 'Trine', 'Trine 2', 'Tringo', 'Trinity Universe', 'Triple Crown Championship Snowboarding', 'Triple Pack: Xbox Live Arcade Compilation', 'Triple Play 2000', 'Triple Play 2001', 'Triple Play 2002', 'Triple Play 97', 'Triple Play 98', 'Triple Play 99', 'Trivial Pursuit', 'Trivial Pursuit unhi nged', 'Trivial Pursuit: Bet You Know It', 'Trollz: Hair Affair!', 'Tron 2.0: Killer App', 'Tropico 3', 'Tropico 3: Gold Edition', 'Tropico 4', 'Tropico 4: Modern Times', 'Tropico 5', 'Tropico Reloaded', 'Tropix', 'Truck Racer', 'True Crime: New York City', 'True Crime: Streets of LA', 'True Love Story 3', 'Tr ue Pinball', 'True Swing Golf', 'Truth or Lies', 'Tsugunai: Atomenet', 'Tsuki ni Yori Suo Otome no Sahoo: Hidamari no Hibi', 'Tsuki no Hikari: Shizumeru K ane no Satsujin', 'Tsukigime Ranko's Longest Day', 'Tsuku Monogatari', 'Tsumiki: Block Drop Mania', 'Tsurugi no Machi no Ihoujin: Kuro no Kyuuden', 'Tsuyu Kiss 2 Gakki: Swift Love', 'Tsuyu Kiss 2 Portable', 'Tsuyu Kiss 3 Portable', 'Tsuyu Kiss: Mighty Heart', 'Tube Slider', 'Tunnel B1', 'Turbo Prop Racing', 'Turbo Trainz', 'Turbo Turtle Adventure', 'Turbo: Super Stunt Squad', 'Turn It Around', 'Turning Point: Fall of Liberty', 'Turok', 'Turok 2: Seeds of Evi l', 'Turok 3: Shadow of Oblivion', 'Turok: Dinosaur Hunter', 'Turok: Evolution', 'Turok: Rage Wars', 'Twilight Syndrome: Kinjiratera Toshi Densetsu', 'Twin Strike: Operation Thunder', 'TwinBee', 'Twinkle \* Crusaders GoGo!', 'Twisted Edge Extreme Snowboarding', 'Twisted Metal', 'Twisted Metal (2012)', 'Twisted Metal 2', 'Twisted Metal 4', 'Twisted Metal III', 'Twisted Metal Black', 'Twisted Metal: Head On', 'Twisted Metal: Small Brawl', 'Twister Mania', 'Two Wo



rlds', 'Two Worlds II', 'Ty the Tasmanian Tiger', 'Ty the Tasmanian Tiger 2: Bush Rescue', 'Ty the Tasmanian Tiger 3: Night of the Quinkan', 'Tyco RC: Assault with a Battery', 'Tycoon City: New York', 'U-Sing', 'U-Sing 2', 'U-Sing: Girls Night', 'UEFA Champions League 2006-2007', 'UEFA Euro 2004: Portugal', 'UEFA Euro 2008 Austria-Switzerland', 'UEFA Euro 2016', 'UFC 2009 Undisputed', 'UFC Personal Trainer: The Ultimate Fitness System', 'UFC Undisputed 2010', 'UFC Undisputed 3', 'UFC: Sudden Impact', 'UFC: Tapout', 'UFC: Tapout 2', 'UFO: Trilogy', 'UK Truck Simulator', 'UN Squadron', 'UNO / Skip-Bo / UNO Freefall 1', 'UNO 52', 'USA Today Crossword Challenge', 'USA Today Puzzle Craze', 'Uchi no 3 Shimai DS', 'Uchida Yasuou Mystery: Meitantei Senken Mitsuohiko Series: Fukutoshin Renzoku Satsujin Jiken', 'Uchuu Keiji Tamashii: The Space Sheriff Spirits', 'Ukiyo no Roushi', 'Ukiyo no Shishi', 'Ultimate Band', 'Ultimate Block Party', 'Ultimate Board Game Collection', 'Ultimate Brain Games', 'Ultimate Card Games', 'Ultimate Card Games DS', 'Ultimate Duck Hunting', 'Ultimate Duck Hunting: Hunting & Retrieving Ducks', 'Ultimate Fighting Championship', 'Ultimate Fighting Championship: Throwdown', 'Ultimate Game Room', 'Ultimate Ghosts 'n Goblins', 'Ultimate Ghosts 'n Goblins (JP sales)', 'Ultimate I Spy', 'Ultimate Marvel vs. Capcom 3', 'Ultimate Mortal Kombat', 'Ultimate Muscle - The Kinnikuman Legacy: Legends vs New Generation', 'Ultimate Muscle - The Kinnikuman Legacy: The Path of the Superhero', 'Ultimate NES Remix', 'Ultimate Party Challenge', 'Ultimate Puzzle Games', 'Ultimate Puzzle Games: Sudoku Edition', 'Ultimate Shooting Collection', 'Ultimate Spider-Man', 'Ultra Bust-A-Move', 'Ultra Street Fighter IV', 'Ultraman Fighting Evolution 3', 'Ultraman Fighting Evolution 3', 'Ultraman Star Chronicles', 'Um Jammer Lammy', 'Umihara Kazu Jun: Second Edition Kanzenban', 'Umineko no Naku Koro ni Portable 1', 'Umineko no Naku Koro ni San: Shinjitsu to Gensou no Yasoukyoku', 'Umineko no Naku Koro ni: Majo to Suiri no Rinbukyoku', 'UnchainBlades EXXIV', 'UnchainBlades', 'Uncharted 2: Among Thieves', 'Uncharted 3: Drake's Deception', 'Uncharted 4: A Thief's End', 'Uncharted: Drake's Fortune', 'Uncharted: Golden Abyss', 'Uncharted: The Nathan Drake Collection', 'Undead Knights', 'Under Night In-Birth', 'Under the Skin', 'Underground Pool', 'Unending Bloody Call', 'Unison: Rebels of Rhythm & Dance', 'Unit 13', 'Universal Studios Theme Parks Adventure', 'Universe at War: Earth Assault', 'Unlimited Saga', 'Unou no Tatsujin: Soukai! Machigai Museum 2', 'Unreal Anthology', 'Unreal Championship', 'Unreal Championship 2: The Liandri Conflict', 'Unreal II: The Awakening', 'Unreal Tournament', 'Unreal Tournament 2003', 'Unreal Tournament 2004', 'Unreal Tournament III', 'Unsolved Crimes', 'Until Dawn', 'Until Dawn: Rush of Blood', 'Untold Legends: Brotherhood of the Blade', 'Untold Legends: Dark Kingdom', 'Untold Legends: The Warriors Code', 'Up', 'Uppers', 'Uprising X', 'Urakata Hakuoki', 'Urban Chaos', 'Urban Chaos: Riot Response', 'Urban Reign', 'Uru: Ages Beyond Myst', 'Usavichi: Game no Jikan', 'Uta Kumi 575', 'Uta no \* Prince-Sama', 'Uta no \* Prince-Sama: All Star', 'Uta no \* Prince-Sama: Repeat', 'Uta no \* Prince-Sama: Sweet Serenade', 'Uta no Prince-Sama: All Star After Secret', 'Uta no Prince-Sama: Debut', 'Uta no Prince-Sama: Music', 'Uta no Prince-Sama: Music 2', 'Uta no Prince-Sama: Music 3', 'Utawarerumono Portable', 'Utawarerumono: Chiriyukusha e no Komoriuta', 'Utawarerumono: Futari no Hakuoro', 'Utawarerumono: Itsuwari no Kamen', 'V-Rally 3', 'V-Rally Edition 99', 'VMX Racing', 'VR Golf '97', 'VR Soccer '96', 'Vacation Isle: Beach Party', 'Vacation Sports', 'Vagrant Story', 'Valentino Rossi: The Game', 'Valhalla Knights', 'Valhalla Knights', 'Valhalla Knights 2: Battle Stance', 'Valhalla Knights 3', 'Valhalla Knights: Eldar Saga', 'Valkyria Chronicles', 'Valkyria Chronicles II', 'Valkyria Chronicles III: Unrecorded Chronicles', 'Valkyrie Drive: Bikkhuni', 'Valkyrie Profile', 'Valkyrie Profile 2: Silmeria', 'Valkyrie Profile: Covenant of the Plume', 'Valkyrie Profile: Lenneth', 'Vampire Knight DS', 'Vampire Legends: Power of Three', 'Vampire Mansion: Linda Hyde', 'Vampire Moon: The Mystery of the Hidden Sun', 'Vampire Night', 'Vampire Rain', 'Vampire Rain: Alte red Species', 'Vampire Savior: The Lord of Vampire', 'Van Helsing', 'Vanarak', 'Vancouver 2010 - The Official Video Game of the Olympic Winter Games', 'Vandal Hearts', 'Vandal Hearts II', 'Vanguard Bandits', 'Vanishing Point', 'Vanquish', 'Vantage Master Portable', 'Vegas Casino', 'Vegas Party', 'Veggy World', 'Vehicular Combat League presents Motor Mayhem', 'Velvet Assassin', 'Venetica', 'Venus & Braves: Majo to Megami to Horobi no Yogen', 'Vertigo', 'Vexx', 'Victorious Boxers: Ippo's Road to Glory', 'Victorious Boxers: Revolution', 'Victorious: Hollywood Arts Debut', 'Victorious: Time to Shine', 'Victory Spike', 'Victory Zone', 'Vietcong', 'Vietcong: Purple Haze', 'Viewpoint', 'Viewtiful Joe', 'Viewtiful Joe 2', 'Viewtiful Joe: Double Trouble!', 'Viewtiful Joe: Red Hot Rumble', 'Vigilante 8', 'Vigilante 8: 2nd Offense', 'Viking: Battle for Asgard', 'Vin Diesel: Wheelman', 'Violet no Atelier: Gramnad no Renkinjutsushin 1 - Gunjou no Omoide', 'Virtua Cop', 'Virtua Cop 2', 'Virtua Fighter', 'Virtua Fighter 2', 'Virtua Fighter 3tb', 'Virtua Fighter 4', 'Virtua Fighter 4: Evolution', 'Virtua Fighter 5', 'Virtua Fighter 5 Online', 'Virtua Fighter CG Portrait Series Vol.1: Sarah Bryant', 'Virtua Fighter CG Portrait Series Vol.2: Jacky Bryant', 'Virtua Fighter CG Portrait Series Vol.3: Akira Yuki', 'Virtua Fighter CG Portrait Series Vol.4: Pai Chan', 'Virtua Fighter CG Portrait Series Vol.5: Wolf Hawkfield', 'Virtua Fighter CG Portrait Series Vol.6: Lau Chan', 'Virtua Fighter Kids', 'Virtua Pro Football', 'Virtua Quest', 'Virtua Racing', 'Virtua Striker 2', 'Virtua Striker 2002', 'Virtua Tennis', 'Virtua Tennis 2009', 'Virtua Tennis 3', 'Virtua Tennis 4', 'Virtua Tennis 4: World Tour', 'Virtua Tennis: World Tour (US & Others sales)', 'Virtua Tennis: World Tour (jp sales)', 'Virtual Chess 64', 'Virtual Hyde', 'Virtual Kasparov', 'Virtual Pool', 'Virtual Pool 64', 'Virtual Pool: Tournament Edition', 'Virtual Pro Wrestling', 'Virtual Soccer', 'Virtual Villagers: A New Home', 'Virus', 'Vitamin R', 'Vitamin X', 'Vitamin X Evolution', 'Vitamin X Evolution Plus', 'Vitamin X to Z', 'Vitamin X: Detective B6', 'Vitamin Y', 'Vitamin Z', 'Vitamin Z Revolution', 'Viva Pinata', 'Viva Pinata: Party Animals', 'Viva Pinata: Pocket Paradise', 'Viva Pinata: Trouble in Paradise', 'Viz', 'Volleyball', 'Voodoo Chronicles: First Sign', 'Voodoo Vince', 'W.L.O. Sekai Renai Kikousei', 'WCW Backstage Assault', 'WCW Mayhem', 'WCW Nitro', 'WCW vs the World', 'WCW vs. nWo: World Tour', 'WCW/nWo Thunder', 'WCW/nWo Revenge', 'WRC 2: FIA World Rally Championship', 'WRC 5: FIA World Rally Championship', 'WRC: FIA World Rally Championship', 'WRC: World Rally Championship', 'WSC REAL 09: World Snooker Championship', 'WSC Real 11: World Snooker Championship', 'WTA Tour Tennis', 'WTF: Work Time Fun', 'WWE '13', 'WWE '13', 'WWE 2K14', 'WWE 2K15', 'WWE 2K16', 'WWE 2K17', 'WWE All Stars', 'WWE Crush Hour', 'WWE Day of Reckoning', 'WWE Day of Reckoning 2', 'WWE Raw 2', 'WWE Road to WrestleMania X8', 'WWE SmackDown vs Raw 2008', 'WWE SmackDown vs. RAW 2007', 'WWE SmackDown vs. Raw 2009', 'WWE SmackDown vs. Raw 2010', 'WWE SmackDown vs. Raw 2011', 'WWE SmackDown! Here Comes the Pain', 'WWE SmackDown! Shut Your Mouth', 'WWE SmackDown! vs. RAW 2006', 'WWE SmackDown! vs. Raw', 'WWE Survivor Series', 'WWE WrestleMania 21', 'WWE WrestleMania X8', 'WWE WrestleMania XIX', 'WWF Attitude', 'WWF No Mercy', 'WWF Raw', 'WWF SmackDown!', 'WWF SmackDown! 2: Know Your Role', 'WWF SmackDown! Just Bring It', 'WWF War Zone', 'WWF WrestleMania 2000', 'WWF WrestleMania: The Arcade Game', 'WWF in Your House', 'WWII Aces', 'Wacky Races: Crash & Dash', 'Wacky World of Sports', 'Wade Hixton's Counter Punch', 'Wakeboarding Unleashed Featuring Shaun Murray', 'Walk it Out!', 'Wall-E', 'Wallace & Gromit in Project Zoo', 'Wallace & Gromit: Curse of the Were-Rabbit', 'Walt Disney Pictures Presents Enchanted', 'Walt Disney Pictures Presents: The Wild', 'Walt Disney World Quest: Magical Racing Tour', 'Walt Disney: The Jungle Book: Rhythm N'Groove', 'Wand of Fortune', 'Wand of Fortune 2 FD: Kimi ni Sasageru Epilogue', 'Wand of Fortune 2: Jikuu ni Shizumu Mokushiroku', 'Wand of Fortune e Portable', 'Wand of Fortune R', 'Wand of Fortune: Mirai e no Prologue', 'Wand of Fortune: Mirai e no Prologue Portable', 'Wangan Midnight', 'Wangan Midnight Fight Portable', 'Wantage Fortune Channel', 'Wantage Music Channel: Doko Demo Style', 'Wanted: Weapons of Fate', 'Wappy Dog', 'War Gods', 'War Leaders: Clash of Nations', 'War for the Overworld', 'War of the Monsters', 'Warcraft II: The Dark Saga', 'WarJetz', 'WarTech: Senko no Ronde', 'Warcraft II: Tides of Darkness', 'Warcraft III: Reign of Chaos', 'Warcraft III: The Frozen Throne', 'Warcraft: Orcs & Humans', 'Warhammer 40,000: Dawn of War', 'Warhammer 40,000: Dawn of War II', 'Warhammer 40,000: Dawn of War II - Chaos Rising', 'Warhammer 40,000: Dawn of War II - Retribution', 'Warhammer 40,000: Dawn of War: Soulstorm', 'Warhammer 40,000: Fire Warrior', 'Warhammer 40,000: Space Marine', 'Warhammer 40,000: Squad Command', 'Warhammer Online: Age of Reckoning', 'Warhammer: Battle for Atluma', 'Warhammer: Battle March', 'Warhammer: Dark Omen', 'Warhammer: Mark of Chaos', 'Warhammer: Shadow of the Horned Rat', 'Warhammer: The End Times - Vermintide', 'Warhawk', 'Wario Land 3', 'Wario Land 4', 'Wario Land II', 'Wario Land II (GBC)', 'Wario Land: Shake It!', 'Wario World', 'Warrior: Master of Disguise', 'WarioWare D.I.Y.', 'WarioWare Touched!', 'WarioWare, Inc.: Mega MicroGame\$', 'WarioWare, Inc.: Mega Party Game\$', 'WarioWare: Smooth Moves', 'WarioWare: Twisted!', 'Warpath: Jurassic Park', 'Warriors Orochi', 'Warriors Orochi 2', 'Warriors Orochi 2 (JP sales)', 'Warriors Orochi 3', 'Warriors Orochi 3 Hyper', 'Warriors of Might and Magic', 'Warriors of the Lost Empire', 'Warriors of the Lost Empire (JP sales)', 'Warriors: Legends of Troy', 'Warship Gunner 2', 'Warship Gunner 2 Portable', 'Warzone 2100', 'Wasteland 2', 'Watashi no Relaxuma', 'Watch Dogs', 'Watch Dogs 2', 'Watchmen: The End is Nigh - The Complete Experience', 'Watchmen: The End is Nigh Part 1 & 2', 'Water Sports', 'Wave Race 64', 'Wave Race: Blue Storm', 'Wave Rally', 'Way of the Samurai', 'Way of the Samurai 2', 'Way of the Samurai 2 Portable', 'Way of the Samurai 3', 'Wayne Gretzky's 3D Hockey', 'Wayne Gretzky's 3D Hockey '98', 'We Cheer', 'We Cheer 2', 'We Dance', 'We Love Golf!', 'We Love Katamari', 'We Sing', 'We Sing Deutsche Hits', 'We Sing Encore', 'We Sing Pop!', 'We Sing Robbie Williams', 'We Sing Rock!', 'We Sing UK Hits', 'We Ski', 'We Ski & Snowboard', 'We Wish You A Merry Christmas', 'Wedding Dash', 'Weiss Schwarz Portable', 'Western Riding Academy', 'Wet', 'Wetrix', 'Whac-A-Mole', 'Whacked!', 'What Did I Do to Deserve This, My Lord? 2', 'What's Cooking? Jamie Oliver', 'Wheel of Fortune', 'Wheel of Fortune: 2nd Edition', 'Where the Wild Things Are', 'Where's Waldo? The Fantastic Journey', 'Whiplash', 'Whirl Tour', 'White Album 2: Shiawase no Mukougawa', 'White Album: Tsuzureru Fuyu no Omoide', 'White Knight Chronicles II', 'White Knight Chronicles: International Edition', 'White Knight Chronicles: Origins', 'Whiteout', 'Who Wants to Be a Millionaire?', 'Who Wants to Be a Millionaire: 3rd Edition', 'Who Wants to be a Millionaire: 1st Edition', 'Who Wants to be a Millionaire: 2nd Edition', 'Who wants to be a millionaire', 'Wicked Monster Blast!', 'Wiffle Ball Advance', 'Wii Fit', 'Wii Fit Plus', 'Wii Fit U', 'Wii Music', 'Wii Party', 'Wii Party U', 'Wii Play', 'Wii Play: Motion', 'Wii Sports', 'Wii Sports Club', 'Wii Sports Resort', 'Wii de Asobu Chibi-Robo!', 'Wii de Asobu: Metroid Prime', 'Wii 9', 'Wild ARMs', 'Wild ARMs 2', 'Wild ARMs 3', 'Wild ARMs 4', 'Wild ARMs 5', 'Wild ARMs 5 (jp sales)', 'Wild ARMs XF', 'Wild ARMs: Alter Code F', 'Wild Earth: African Safari', 'Wild West Shootout', 'Wild Wild Racing', 'Wildlife Park 3', 'Wildstar', 'WinBack 2: Project Poseidon', 'WinBack: Covert Operations', 'Wing Arms', 'Wing Commander III: Heart of the Tiger', 'Wing Commander IV: The Price of Freedom', 'Wing Commander: Prophecy', 'Wing Island', 'Wings of War', 'Winning Eleven Playmaker 2010: Aoki Samurai no Chousen', 'Winning Eleven: Pro Evolution Soccer 2007', 'Winning Eleven: Pro Evolution Soccer 2007 (All Region sales)', 'Winning Post', 'Winning Post 2', 'Winning Post 3', 'Winning Post 4', 'Winning Post 4 Maximum', 'Winning Post 5', 'Winning Post 6', 'Winning Post 7 2009', 'Winning Post 7 2010', 'Winning Post 7 2012', 'Winning Post 7 2013', 'Winning Post 7 Maximum 2008', 'Winning Post 7: Maximum 2007', 'Winning Post 8', 'Winning Post 8 2015', 'Winning Post 8 2016', 'Winning Post World', 'Winning Post World 2010', 'Winter Blast: 9 Snow & Ice Games', 'Winter Heat', 'Winter Sports 2011', 'Winter Sports 2: The Next Challenge', 'Winter Sports 3: The Great Tournament', 'Winter Sports: The Ultimate Challenge', 'Winter Stars', 'Winx Club', 'Winx Club: Mission Enchantix', 'Winx Club: Quest for the Codex', 'Winx Club: Rockstars', 'Winx Club: Saving Alfea', 'WipeOut', 'WipeOut 2', 'WipeOut 3', 'WipeOut 4', 'WipeOut Fusion', 'WipeOut HD Fury', 'WipeOut Pulse', 'WipeOut Pure', 'WipeOut XL', 'WipeOut 3 The Game', 'Wipeout 2', 'Wipeout 2048', 'Wipeout: In The Zone', 'Wipeout: The Game', 'WireWally', 'Witches & Vampires: The Secrets of Ashburry', 'Without Warning', 'Wizards of Waverly Place', 'Wizards of Waverly Place: The Cosmic Forge', 'Wizards of Waverly Place: Spellbound', 'Wizards of Waverly Place: Wolfenstein', 'Wolfenstein 3D', 'Wolfenstein: The New Order', 'Wolfenstein: The Old Blood', 'Women's Volleyball Championship', 'Wonder Pets! Save the Animals!', 'Wonder Project J2: Koruru no Mori no Josette', 'Wonder Project J: Kikai no Shonen Pino', 'Wonder World Amusement Park', 'Woody Woodpecker Racing', 'Woody Woodpecker in Crazy Castle 5', 'Woody Woodpecker: Escape from Buzz Buzzard Park', 'WordJong', 'WordJong Party', 'Wordfish', 'Wordmaster', 'World Championship Athletics', 'World Championship Cards', 'World Championship Games: A Track & Field Event', 'World Championship Poker', 'World Championship Poker 2: Featuring Howard Lederer', 'World Championship Poker featuring Howard Lederer: All In', 'World Championship Poker: Deluxe Series', 'World Championship Poker: Featuring Howard Lederer - All In', 'World Championship Poker: Howard Lederer - All In', 'World Championship Pool 2004', 'World Championship Rugby', 'World Championship Spelling', 'World Class Rugby 2: Kokunai Kekitoku Hen '93', 'World Class Track Meet', 'World Cup '98 France: Road to Win', 'World Cup 98', 'World Cup Golf: Professional Edition', 'World Cup of Pool', 'World Destruction League: Thunder Tanks', 'World Driver Championship', 'World Fantastisa', 'World Heroes Anthology', 'World League Soccer', 'World Neverland 2in1 Portable: Olerud Kingdom & Republic of Pluto', 'World Party Games', 'World Poker Tour', 'World Racing', 'World Series Baseball', 'World Series Baseball 2K3', 'World Series of Poker', 'World Series of Poker 2008: Battle for the Bracelets', 'World Series of Poker: Tournament of Champions 2007 Edition', 'World Snooker Championship 2007', 'World Soccer Jikkyou Winning Eleven 2000: U-23 Medal heno Chousen', 'World Soccer Jikkyou Winning Eleven 3: World Cup France '98', 'World Soccer Winning Eleven 2002', 'World Soccer Winning Eleven 2010: Aoki Samurai no Chousen', 'World Soccer Winning Eleven 5 Final Evolution', 'World Soccer Winning Eleven 6 International', 'World Soccer Winning Eleven 7', 'World Soccer Winning Eleven 7 International', 'World Soccer Winning Eleven 7 International (JP version)', 'World Soccer Winning Eleven 8 International', 'World Soccer Winning Eleven 8: Liveware Evolution', 'World Soccer Winning Eleven 9', 'World Soccer Winning Eleven 9 (JP & Others sales)', 'World Soccer Winning Eleven 9 (US sales)', 'World Soccer Winning Eleven 9 Bonus Pack', 'World Sports Competition', 'World Stadium 2', 'World Stadium 3', 'World Stadium 4', 'World Stadium 5', 'World Stadium EX', 'World Tour Soccer', 'World Tour Soccer 06', 'World Tour Soccer 2002', 'World Tour Soccer 2003', 'World Tour Soccer 2005', 'World Tour Soccer 2006', 'World Trigger: Borderless Mission', 'World War II Combat: Road to Berlin', 'World in Conflict', 'World in Conflict: Complete Edition', 'World of Dragon Warrior - Torneko: The Last Hope', 'World of Final Fantasy', 'World of Goo', 'World of Outlaws: Sprint Cars', 'World of Outlaws: Sprint Cars 2002', 'World of Tanks', 'World of Warcraft', 'World of Warcraft: Cataclysm', 'World of Warcraft: Legion', 'Wo

rl of Warcraft: Mists of Pandaria', 'World of Warcraft: The Burning Crusade', 'World of Warcraft: Warlords of Draenor', 'World of Warcraft: Wrath of the L ich King', 'World of Zoo', "World's Scariest Police Chases", 'WorldShift', 'Worldwide Soccer', 'Worldwide Soccer Manager 2006', 'Worldwide Soccer Manager 2 007', 'Worldwide Soccer Manager 2008', 'Worldwide Soccer Manager 2009', 'Worms', 'Worms 2', 'Worms 3D', 'Worms 4: Mayhem', 'Worms Armageddon', 'Worms Blas t', 'Worms Forts: Under Siege', 'Worms Reloaded', 'Worms World Party', 'Worms: A Space Oddity', 'Worms: Battle Islands', 'Worms: Open Warfare', 'Worms: Ope n Warfare 2', 'Worms: Ultimate Mayhem', 'Worms: WMD', 'Wrath Unleashed', 'Wreckin Crew', 'Wrecking Crew', 'Wreckless: The YaKuz MisSiOns', 'Wrestle Angel s: Survivor 2', 'Wrestle Kingdom', 'Wrestle Kingdom 2: Pro Wrestling Sekai Taisen', 'Writing and Speaking Beautiful Japanese DS', 'Wu-Tang: Shaolin Style', 'X Rebirth', 'X-Blades', 'X-COM: UFO Defense', 'X-Man', 'X-Men Legends', 'X-Men Legends II: Rise of Apocalypse', 'X-Men Origins: Wolverine', 'X-Men Origin s: Wolverine - Uncaged Edition', 'X-Men vs. Street Fighter', 'X-Men: Children of the Atom', 'X-Men: Destiny', 'X-Men: Mutant Academy 2', 'X-Men: Next Dimen sion', 'X-Men: Reign of Apocalypse', 'X-Men: The Official Game', 'X-Plane 10 Global', "X2: Wolverine's Revenge", 'X3: Terran Conflict', 'X3: Terran War Pac k', 'XBLAZE Code: Embryo', 'XCOT 2', 'XCOT: Enemy Unknown', 'XGIII: Extreme G Racing', 'XGRA: Extreme G Racing Association', 'XGRA: Extreme G-Racing Associ ation', 'XI Coliseum', 'XIII', 'XS Airboat Racing', 'XXX', 'Xblaze: Lost Memories', 'Xbox Live Arcade Unplugged Volume 1', 'Xbox Music Mixer', 'Xena: Warri or Princess', 'Xena: Warrior Princess - The Talisman of Fate', 'Xenoblade Chronicles', 'Xenoblade Chronicles X', 'Xenogears', 'Xenosaga Episode I: Der Will e zur Macht', 'Xenosaga Episode II: Jenseits von Gut und Böse', 'Xenosaga Episode III: Also sprach Zarathustra', 'Xenosaga I-II', 'Xevious', 'Xevious 3D/G +', 'Xiaolin Showdown', 'Yager', 'Yahari Game Demo Ore no Seishun Love-Kome Hamachi Gatteiru', 'Yahari Game Demo Ore no Seishun Love-Kome wa Machigatteiru. Zoku', 'Yaiba: Ninja Gaiden Z', 'Yakuman', 'Yakuza', 'Yakuza 2', 'Yakuza 3', 'Yakuza 4', 'Yakuza 5', 'Yakuza Kiwami', 'Yakuza Zero: The Place of Oath', 'Ya kuza: Dead Souls', 'Yakuza: Ishin', 'Yamaha Supercross', 'Yamakawa Shuppansha Kanshuu: Shousetsu Nihonshi B', 'Yamakawa Shuppansha Kanshuu: Shousetsu Sekai shi B', 'Yamasa Digi Portable: Matsuri no Tatsujin - Win-Chan no Natsumatsuri', 'Yamasa Digi World SP: Moeyo! Kung Fu Shukujou', 'Yanya Caballista: City Ska ter', 'Yard Sale Hidden Treasures: Sunnyville', 'Yars' Revenge', 'Yarudora Series Vol. 2: Kisetu wo Dakishimete', 'Yarudora Series Vol.1: Double Cast', 'Y attaman DS: BikkuriDokkiri Daisakusen da Koron', 'Yattaman Wii: BikkuriDokkiri Machine de Mou Race da Koron', 'Yes! PreCure 5', 'Yes! Precure 5 Go Go Zenin Shu Go! Dream Festival', 'Yggdra Union: We'll Never Fight Alone', 'YoKai Watch Dance: Just Dance Special Version', 'Yoake Yori Ruriro na Portable', 'Yoake Yori Ruriro na: Brighter than Dawning Blue', 'Yoga Wii', 'Yogi Bear: The Video Game', 'Yokai Sangokushi', 'Yokai Watch', 'Yokai Watch 2 Ganso/Honke', 'Yok ai Watch 2 Shinuchi', 'Yokai Watch 3', 'Yokai Watch Busters', 'Yomawari', 'Yoostar on MTV', 'Yoostar2', 'Yoru no Nai Kuni', 'Yoshi', 'Yoshi Topsy-Turvy', 'Yoshi Touch & Go', 'Yoshi Touch & Go (JP sales)', 'Yoshi's Cookie', 'Yoshi's Island DS', 'Yoshi's New Island', 'Yoshi's Story', 'Yoshi's Woolly World', 'You Don't Know Jack', 'You Don't Know Jack: Mock 2', 'You're in the Movies', 'Young Justice: Legacy', 'Your Shape featuring Jenny McCarthy', 'Your Shape: Fitness Evolved', 'Your Shape: Fitness Evolved 2012', 'Your Shape: Fitness Evolved 2013', 'Yourself Fitness', 'Yowamushi Pedal', 'Ys I & II Chronicles', 'Y s Seven', 'Ys VIII: Lacrimosa of Dana', 'Ys vs. Sora no Kiseki: Alternative Saga', 'Ys: Memories of Celceta', 'Ys: The Ark of Napishtim', 'Ys: The Oath in Felghana', 'Yu Yu Hakusho Ghost Files: Spirit Detective', 'Yu Yu Hakusho: Dark Tournament', 'Yu Yu Hakusho: Tournament Tactics', 'Yu-Gi-Oh! 5D's Stardust Accelerator: World Championship 2009', 'Yu-Gi-Oh! 5D's Tag Force 4', 'Yu-Gi-Oh! 5D's Tag Force 5', 'Yu-Gi-Oh! 5D's Tag Force 6', 'Yu-Gi-Oh! 5D's Wheelie B reakers', 'Yu-Gi-Oh! 5D's Wheelie Breakers (JP sales)', 'Yu-Gi-Oh! 5D's World Championship 2010 Reverse of Arcadia', 'Yu-Gi-Oh! 5D's World Championship 201 1: Over the Nexus', 'Yu-Gi-Oh! 5D's: Duel Transer', 'Yu-Gi-Oh! 7 Trials to Glory: World Championship Tournament 2005', 'Yu-Gi-Oh! Capsule Monster Coliseu m', 'Yu-Gi-Oh! Dark Duel Stories', 'Yu-Gi-Oh! Destiny Board Traveler', 'Yu-Gi-Oh! Double Pack', 'Yu-Gi-Oh! Duel Monsters', 'Yu-Gi-Oh! Duel Monsters II: Dar k Duel Stories', 'Yu-Gi-Oh! Dungeon Dice Monsters', 'Yu-Gi-Oh! Forbidden Memories', 'Yu-Gi-Oh! Forbidden Memories (JP sales)', 'Yu-Gi-Oh! GX: Duel Academ y', 'Yu-Gi-Oh! GX: Spirit Caller (American Sales)', 'Yu-Gi-Oh! GX: Spirit Caller (Japan Sales)', 'Yu-Gi-Oh! GX: Tag Force', 'Yu-Gi-Oh! GX: Tag Force 2', 'Y u-Gi-Oh! GX: Tag Force 3', 'Yu-Gi-Oh! GX: The Beginning of Destiny (JP sales)', 'Yu-Gi-Oh! GX: The Beginning of Destiny (US sales)', 'Yu-Gi-Oh! Monster Cap sule Breed & Battle', 'Yu-Gi-Oh! Monster Capture GB', 'Yu-Gi-Oh! Nightmare Troubadour (JP sales)', 'Yu-Gi-Oh! Nightmare Troubadour (US sales)', 'Yu-Gi-Oh! Reshef of Destruction', 'Yu-Gi-Oh! The Dawn of Destiny', 'Yu-Gi-Oh! The Duellists of the Roses', 'Yu-Gi-Oh! The Eternal Duelist Soul', 'Yu-Gi-Oh! The Etern al Duelist Soul (JP sales)', 'Yu-Gi-Oh! The Falsebound Kingdom', 'Yu-Gi-Oh! The Sacred Cards', 'Yu-Gi-Oh! The Sacred Cards (American and Others sales)', 'Y u-Gi-Oh! The Sacred Cards (JP weekly sales)', 'Yu-Gi-Oh! Ultimate Masters: World Championship Tournament 2006', 'Yu-Gi-Oh! World Championship 2007', 'Yu-Gi -Oh! World Championship 2008', 'Yu-Gi-Oh! World Championship Tournament 2004', 'Yu-Gi-Oh! Worldwide Edition: Stairway to the Destined Duel', 'Yu-Gi-Oh! Zex al World Duel Carnival', 'Yu-Gi-Oh: Duel Monsters 4', 'Yuki Yuna is a Hero: Memory of the Forest', 'Yume Neko DS', 'Yumeiro Patissiere: My Sweets Cooking', 'Yumi's Odd Odyssey', 'Yuu Yu Hakusho', 'Yuu Yu Hakusho 2: Kakutou no Sho', 'Yuu Yu Hakusho DS: Ankoku Bujutsukai Hen', 'Yuu Yu Hakusho: Makyo Toitsuse n', 'Yuugen Gaisha Brave Company', 'Yuusha Shisu.', 'Yuusha no Kuse ni Namaikida Or 3D', 'Zac to Ombra: Maboroshi no Yuuenchi', 'Zack & Wiki: Quest for Bar baros' Treasure', 'Zaidan Houjin Nippon Kanji Nouryoko Kentei Kyoukai Kounin: KanKen DS', 'Zaidan Houjin Nippon Kanji Nouryoko Kentei Kyoukai Kounin: KanKe n DS 2 + Jouyou Kanji Jiten', 'Zaidan Houjin Nippon Kanji Nouryoku Kentei Kyoukai Kounin: KanKen DS3 Deluxe', 'Zaidan Houjin Nippon Kanji Nouryoku Kentei K youkai Koushiki Soft: 200 Mannin no KanKen: Tokoton Kanji Nou', 'Zangeki no Reginleiv', 'Zapper: One Wicked Cricket!', 'Zatch Bell! Electric Arena', 'Zatch Bell! Mamodo Battles', 'Zatch Bell! Mamodo Fury', 'Zathura', 'Zelda II: The Adventure of Link', 'Zen-Nippon GT Senshuku', 'Zen-Nippon Pro Wrestling: Ouja no Kon', 'Zendoku', 'Zenkoku Dekotora Matsuri', 'Zenses: Ocean', 'Zenses: Rainforest', 'Zero Divide', 'Zero Escape: Virtue's Last Reward', 'Zero Escape: Z ero Time Dilemma', 'Zero no Tsukaima: Maigo no Period to Ikusen no Symphony', 'Zero no Tsukaima: Muma ga Tsumugu Yokaze no Nocturne', 'Zero no Tsukaima: Sh ou-akuma to Harukaze no Concerto', 'Zero4 Champ RR', 'Zero4 Champ RR-Z', 'Zero: Tsukihami no Kamen', 'Zetta Hero Project: Unlosing Ranger vs. Darkdeath Evi lman', 'Zettai Kaikyuu Gakuen: Eden with Roses and Phantasm', 'Zettai Meikyuu Grimm: Nanatsu no Kagi to Rakuen no Otome', 'Zettai Onkan Otoda Master', 'Zet tai Zetsume! Toshi 3: Kowareyuku Machi to Kanojo no Uta', 'ZhuZhu Babies', 'ZhuZhu Pets', 'ZhuZhu Pets 2: Featuring The Wild Bunch', 'ZhuZhu Pets: Featuri ng The Wild Bunch', 'ZhuZhu Pets: Quest for Zhu', 'ZhuZhu Puppies', 'Zill O'll Infinite Plus', 'Zillions of Enemy X: Zetsukai no Crusade', 'Zoboomafoo: Lea pin! Lemurs!', 'Zoey 101: Field Trip Fiasco', 'Zoids Assault', 'Zoids Dash', 'Zoids: Battle Legends', 'Zoids: Legacy', 'Zombi Daisuki', 'ZombiU', 'Zombie A rmy Trilogy', 'Zombie Hunters 2', 'Zone of the Enders', 'Zone of the Enders HD Collection', 'Zone of the Enders: The 2nd Runner', 'Zone of the Enders: The Fist of Mars', 'Zoo Hospital', 'Zoo Keeper', 'Zoo Quest: Puzzle Fun!', 'Zoo Resort 3D', 'Zoo Tycoon', 'Zoo Tycoon (2013)', 'Zoo Tycoon 2', 'Zoo Tycoon 2 D S', 'Zoo Tycoon 2: Ultimate Collection', 'Zoo Tycoon DS', 'Zoo Tycoon: Complete Collection', 'Zoo Vet: Endangered Animals', 'ZooCube', 'Zoobles! Spring to Life!', 'Zoop', 'Zubo', 'Zumba Fitness', 'Zumba Fitness 2', 'Zumba Fitness Core', 'Zumba Fitness Rush', 'Zumba Fitness: World Party', 'Zwei!', 'Zyuden Se ntai Kyoryuger: Game de Gaburinchou!!', '[Prototype 2]', '[Prototype]', 'de Blob', 'de Blob 2', 'eJay Clubworld', 'echochrome', 'ef - a fairy tale of the tw o.', 'everGirl', 'future! The Prep Game for SAT', 'htol#NiQ: The Firefly Diary', 'iCarly', 'iCarly 2: iJoin The Click!', 'inFAMOUS', 'inFAMOUS 2', 'inFAMO US: Second Son', 'nail'd', 'pro evolution soccer 2011', 'thInk Logic Trainer', 'thinkSMART', 'thinkSMART FAMILY!', 'thinkSMART: Chess for Kids', 'uDraw Stu dio', 'uDraw Studio: Instant Artist', 'wwe Smackdown vs. Raw 2006', 'jShin Chan Flipa en colores!', nan]

В таблице представлено немало (11560) уникальных названий игр! Довольно сложно для анализа.

Тем не менее, при внимательном рассмотрении можно обнаружить несколько видов странных данных в столбце 'name' :

- Начинаются с одного пробела (возможно, имеют неявные дубликаты без пробела):
  - ' Beyblade Burst',
  - ' Fire Emblem Fates',
  - " Frozen: Olaf's Quest",
  - ' Haikyuu!! Cross Team Match!',
  - ' Tales of Xillia 2'.

- Возможные неявные дубликаты (зачем-то продажи в некоторых регионах - sales - вынесены в отдельную строку, неполное множество примеров):

- 'Ape Escape Academy', 'Ape Escape Academy (jp sales)',
  - 'Bomberman', 'Bomberman (jp sales)',
  - 'Bleach: Dark Souls', 'Bleach: Dark Souls (JP sales)',
  - 'hack//G.U. Vol.2//Reminisce', 'hack//G.U. Vol.2//Reminisce (jp sales)',
  - 'Battlefield 2: Modern Combat', 'Battlefield 2: Modern Combat(JP sales)',
  - 'Atelier Iris 3: Grand Phantasm (JP Sales)', 'Atelier Iris 3: Grand Phantasm (US Sales)'.
- Группа названий в конце списка (22 шт.), начинающихся с маленькой буквы (возможно, имеют неявные дубликаты, написанные с большой буквы): 'de Blob', 'de Blob 2', 'eJay Clubworld', 'echochrome', 'ef - a fairy tale of the two.', 'everGirl', 'future! The Prep Game for SAT', 'htol#NiQ: The Firefly Diary', 'iCarly', 'iCarly 2: iJoin The Click!', 'inFAMOUS 2', 'inFAMOUS: Second Son', 'nail'd', 'pro evolution soccer 2011', 'thInk Logic Trainer', 'thinkSMART', 'thinkSMART FAMILY!', 'thinkSMART: Chess for Kids', 'uDraw Studio', 'uDraw Studio: Instant Artist', 'wwe Smackdown vs. Raw 2006'.

Проверим *первую группу аномалий*:

```
In [16]: # создание словаря искомых дубликатов
names = []
for name in [' Beyblade Burst', ' Fire Emblem Fates', " Frozen: Olaf's Quest",
            ' Haikyuu!! Cross Team Match!', ' Tales of Xillia 2']:
    names.append(name)
    names.append(name.lstrip())

# печать полученного словаря
print(names)

# фильтрация возможных неявных дубликатов
games.query('name in @names')
```

[' Beyblade Burst', 'Beyblade Burst', ' Fire Emblem Fates', 'Fire Emblem Fates', " Frozen: Olaf's Quest", "Frozen: Olaf's Quest", ' Haikyuu!! Cross Team Mat ch!', 'Haikyuu!! Cross Team Match!', ' Tales of Xillia 2', 'Tales of Xillia 2']

Out[16]:

|       | name                        | platform | year_of_release | genre        | na_sales | eu_sales | jp_sales | other_sales | critic_score | user_score | rating |
|-------|-----------------------------|----------|-----------------|--------------|----------|----------|----------|-------------|--------------|------------|--------|
| 1079  | Fire Emblem Fates           | 3DS      | 2015.0          | Role-Playing | 0.81     | 0.23     | 0.52     | 0.11        | NaN          | NaN        | NaN    |
| 2454  | Tales of Xillia 2           | PS3      | 2012.0          | Role-Playing | 0.20     | 0.12     | 0.45     | 0.07        | 71.0         | 7.9        | T      |
| 3358  | Frozen: Olaf's Quest        | 3DS      | 2013.0          | Platform     | 0.27     | 0.27     | 0.00     | 0.05        | NaN          | NaN        | NaN    |
| 3862  | Frozen: Olaf's Quest        | DS       | 2013.0          | Platform     | 0.21     | 0.26     | 0.00     | 0.04        | NaN          | NaN        | NaN    |
| 13794 | Haikyuu!! Cross Team Match! | 3DS      | 2016.0          | Adventure    | 0.00     | 0.00     | 0.04     | 0.00        | NaN          | NaN        | NaN    |
| 14983 | Beyblade Burst              | 3DS      | 2016.0          | Role-Playing | 0.00     | 0.00     | 0.03     | 0.00        | NaN          | NaN        | NaN    |

Неявных дубликатов, связанных с добавлением пробела в начало названия, не обнаружено. Пробелы можно не удалять. **Такая ситуация может возникать в процессе сбора информации из различных открытых источников.**

Посчитаем количество строк во второй группе аномалий:

In [17]:

```
# создание временной копии данных
games_type2 = games.dropna(subset=['name', 'genre'], axis=0).copy()

# подсчёт количества выделений региональных продаж в отдельную игру
len(games_type2[games_type2['name']
                    .str.contains('sales', case=False)][ 'name']
    .sort_values().unique())
```

Out[17]:

146

Немалое количество игр содержит выделенные продажи по определённому региону.

Рассмотрим конкретные наименования, содержащие слово `sales`:

In [18]:

```
list(games_type2[games_type2['name']
                    .str.contains('sales', case=False)][ 'name']
    .sort_values().unique())
```

```

Out[18]: ['.hack//G.U. Vol.2//Reminisce (jp sales)',
'Ape Escape Academy (jp sales)',
'Atelier Iris 3: Grand Phantasm (JP Sales)',
'Atelier Iris 3: Grand Phantasm (US Sales)',
'Battlefield 2: Modern Combat(JP sales)',
'Bleach: Dark Souls (JP sales)',
'Bomberman (jp sales)',
'Brave Story: New Traveler (US sales)',
'Brave Story: New Traveller (jp sales)',
'Chou-Kuukan Night Pro Yakyuu King (weekly JP sales)',
'Chou-Kuukan Night Pro Yakyuu King(higher JP sales)',
'Dance Dance Revolution: Mario Mix (JP sales)',
'Digimon World DS (JP sales)',
'Draglade (JP sales)',
'Dragon Ball Z: Budokai Tenkaichi 2 (JP sales)',
'Dragon Ball Z: Harukanaru Denetsu (JP sales)',
'Dragon Ball: Origins (JP & incomplete US sales)',
'Dynasty Warriors 6 (JP sales)',
'Dynasty Warriors Vol. 2 (JP sales)',
'Earth Defense Force 2017 (old JP sales)',
'Enchanted Arms (JP sales)',
'Eternal Poison (JP sales)',
'FIFA Soccer 2003 (weekly jp sales)',
'Fatal Fury: Battle Archives Volume 1 (JP sales)',
'Fatal Fury: Battle Archives Volume 2 (JP sales)',
'Fishing Master (jp sales)',
'Fossil Fighters (JP sales)',
'Go! Sudoku (JP sales)',
'Gold's Gym: Cardio Workout (Others sales)',
'Growlanser: Heritage of War (jp sales)',
'Harvest Moon DS (US sales)',
'Harvest Moon DS (jp sales)',
'Harvest Moon DS Cute (US sales)',
'Harvest Moon DS Cute (jp sales)',
'Help Wanted: 50 Wacky Jobs (jp sales)',
'Imagine Figure Skater (JP sales)',
'Imagine: Figure Skater (US sales)',
'Import Tuner Challenge (American sales)',
'International Superstar Soccer 2000 (All region sales)',
'International Superstar Soccer 2000 (JP weekly sales)',
'International Superstar Soccer 64 (weekly JP sales)',
'Jam Sessions: Sing and Play Guitar (US sales)',
'Jam Sessions: Sing and Play Guitar (jp sales)',
'Luminous Arc 2 (JP sales)',
'Lunar 2: Eternal Blue(sales, but wrong system)',
'Lux-Pain (JP sales)',
'Magical Starsign (JP sales)',
'Magical Starsign (US sales)',
'Mana Khemia: Alchemists of Al-Revis (JP sales)',
'Medal of Honor: European Assault (All Region sales)',
'Medal of Honor: European Assault (weekly JP sales)',
'Mega Man Battle Network 5: Double Team DS (JP sales)',
'Mega Man Battle Network 5: Double Team DS (US sales)',
'Metal Gear Solid: The Essential Collection (JP sales)',
'Mickey's Speedway USA (weekly JP sales)",
'Midnight Club 3: DUB Edition (America weekly sales)',
'My Pet Shop (JP sales)',
'My World, My Way (US sales)',
'NBA Live 06 (All region sales)',
'NBA Live 06 (Weekly american sales)',
'Namco Museum 50th Anniversary (JP sales)',
'Namco Museum Battle Collection (JP sales)',
'Naruto: Clash of Ninja (JP sales)',
'Naruto: Ninja Destiny (US sales)',
'Naruto: Ultimate Ninja (JP sales)',
'Naruto: Ultimate Ninja 3 (JP sales)',
'Naruto: Ultimate Ninja Heroes (JP sales)',
'Naruto: Uzumaki Chronicles 2 (JP sales)',
'National Geographic Panda (JP sales)',
'National Geographic Panda (US sales)',
'Pachi-Slot Teiou: Golgo 13 Las Vegas (JP sales, but wrong system)',
'PoPoLoCrois (JP sales)',
'Point Blank DS (JP sales)',
'Point Blank DS (US sales)',
'Pokémon Mystery Dungeon: Red Rescue Team (US weekly sales)',
'Pop Cutie! Street Fashion Simulation (JP sales)',
'Prinny: Can I Really Be The Hero? (US sales)',
'Pro Evolution Soccer 2008 (JP sales)',
'Project Gotham Racing (JP weekly sales)',
'Project Gotham Racing 2 (JP weekly sales)',
'Puyo Pop Fever (JP sales)',
'Puyo Pop Fever(us sales)',
'R-Type Command (correct US sales)',
'RalliSport Challenge(JP sales)',
'Ratchet & Clank: Going Commando (JP weekly sales)',
'Ratchet & Clank: Up Your Arsenal (Weekly american sales)',
'Raw Danger! (JP sales)',
'Rengoku II: The Stairway to H.E.A.V.E.N. (jp sales)',
'Retro Game Challenge (US sales)',
'River King: Mystic Valley (US sales)',
'River King: Mystic Valley (jp sales)',
'Rondo of Swords (US sales)',
'Rondo of Swords (jp sales)',
'Samurai Shodown Anthology (JP sales)',
'Samurai Warriors 2: Xtreme Legends (JP sales)',
'Scrabble (Others sales)',
'Secret Agent Clank(US sales)',
'Shin Megami Tensei: Devil Summoner 2 - Raidou Kuzunoha vs. King Abaddon (JP sales)',
'Shin Megami Tensei: Persona 3 (jp sales)',
'SimCity Creator (JP sales)',
'SoulCalibur Legends (JP sales)',
'SpongeBob's Truth or Square (US sales)',
'Street Fighter II': Special Champion Edition (JP weekly sales)",
'Sudoku Gridmaster (JP sales)',
'Summer Athletics: The Ultimate Challenge (Others sales)',
'Summer Athletics: The Ultimate Challenge (US sales)',
'Summer Sports: Paradise Island (Others sales)',
'Super Dodgeball Brawlers (jp sales)',
'Super Robot Taisen OG Saga: Endless Frontier (JP sales)',
'Tetris 2 (All region sales)',

```

```
'Tetris 2 (weekly jp sales)',
'The Godfather (JP sales)',
'The Godfather (US & Others sales)',
'The Godfather (US sales)',
'The Godfather (old US sales)',
'The King of Fighters Collection: The Orochi Saga (JP sales)',
'The Legend of Zelda: The Minish Cap(weekly JP sales)',
'The Urbz: Sims In the City (US weekly sales)',
'The Urbz: Sims in the City (all regions sales)',
'Tom Clancy's Ghost Recon Advanced Warfighter (weekly JP sales)",
'Tomb Raider: Underworld (Others sales)',
'Tony Hawk's American Wasteland (Old all region sales)",
'Tony Hawk's American Wasteland (Weekly american sales)",
'Touch Detective (JP sales)',
'TouchMaster 3(Others sales)',
'Ultimate Ghosts 'n Goblins (JP sales)",
'Virtua Tennis: World Tour (US & Others sales)',
'Virtua Tennis: World Tour (jp sales)',
'Warriors Orochi 2 (JP sales)',
'Warriors of the Lost Empire (JP sales)',
'Wild ARMs 5 (jp sales)',
'Winning Eleven: Pro Evolution Soccer 2007 (All Region sales)',
'World Soccer Winning Eleven 9 (JP & Others sales)',
'World Soccer Winning Eleven 9 (US sales)',
'Yoshi Touch & Go (JP sales)',
"Yu-Gi-Oh! 5D's Wheelie Breakers (JP sales)",
'Yu-Gi-Oh! Forbidden Memories (JP sales)',
'Yu-Gi-Oh! GX: Spirit Caller (American Sales)',
'Yu-Gi-Oh! GX: Spirit Caller (Japan Sales)',
'Yu-Gi-Oh! GX: The Beginning of Destiny (JP sales)',
'Yu-Gi-Oh! GX: The Beginning of Destiny (US sales)',
'Yu-Gi-Oh! Nightmare Troubadour (JP sales)',
'Yu-Gi-Oh! Nightmare Troubadour (US sales)',
'Yu-Gi-Oh! The Eternal Duelist Soul (JP sales)',
'Yu-Gi-Oh! The Sacred Cards (American and Others sales)',
'Yu-Gi-Oh! The Sacred Cards (JP weekly sales)']
```

Регулярности в наименовании подобных случаев не наблюдается. Для исправления подобных ситуаций сложно предложить адекватную автоматизацию, а исправлять почти 150 частных случаев вручную - очень трудозатратно.

К тому же, в контексте исследования нас скорее интересуют суммарные продажи по платформам, нежели по отдельным играм. Поэтому исправлять указанные недостатки, по сути, бессмысленно - нужные значения всё равно будут просуммированы.

```
In [19]: # удалим вспомогательный датафрейм для экономии памяти
games_type2.drop(columns=games_type2.columns, inplace=True)
```

Рассмотрим названия третьей группы (возможные дубликаты, начинающиеся с большой буквы):

```
In [20]: # сформируем список подозрительных названий 3 группы
names = ['de Blob', 'de Blob 2', 'eJay Clubworld', 'echochrome',
         'ef - a fairy tale of the two.', 'everGirl',
         'futureU: The Prep Game for SAT', 'htol#NiQ: The Firefly Diary',
         'iCarly', 'iCarly 2: iJoin The Click!', 'inFAMOUS',
         'inFAMOUS 2', 'inFAMOUS: Second Son', 'nail'd',
         'pro evolution soccer 2011', 'think Logic Trainer',
         'thinkSMART', 'thinkSMART FAMILY!', 'thinkSMART: Chess for Kids',
         'uDraw Studio', 'uDraw Studio: Instant Artist',
         'wwe Smackdown vs. Raw 2006']

new_names = []

print('Количество игр в 3 группе:', len(games.query('name in @names'))))

for name in names:
    new_names.append(name)
    new_names.append(name.capitalize())

print("Количество игр в 3 группе с учётом предполагаемых дубликатов:",
      len(games.query('name in @new_names'))))
```

Количество игр в 3 группе: 34  
Количество игр в 3 группе с учётом предполагаемых дубликатов: 34

Очевидно, аномалии третьей группы не превносят в данные неявных дубликатов рассмотренного свойства.

На этом изучение аномалий в данных можно закончить.

### Обработка пропусков

Начнём обрабатывать пропуски данных в порядке возрастания их количества.

Наименьшее количество пропусков (0.01%) обнаружено в столбцах 'name' и 'genre'. Очевидно, что такое количество безымянных игр не должно повлиять на исследование. Тем не менее, рассмотрим данные пропуски детально. Выведем строки, в которых пропущены значения хотя бы в одном из указанных столбцов:

```
In [21]: games[(games['name'].isna()) | (games['genre'].isna())]
```

Out[21]:

|       | name | platform | year_of_release | genre | na_sales | eu_sales | jp_sales | other_sales | critic_score | user_score | rating |
|-------|------|----------|-----------------|-------|----------|----------|----------|-------------|--------------|------------|--------|
| 659   | NaN  | GEN      | 1993.0          | NaN   | 1.78     | 0.53     | 0.00     | 0.08        | NaN          | NaN        | NaN    |
| 14244 | NaN  | GEN      | 1993.0          | NaN   | 0.00     | 0.00     | 0.03     | 0.00        | NaN          | NaN        | NaN    |

Мы видим, что значения в столбцах 'name' и 'genre' пропущены одновременно всего для двух не самых популярных игр. Следовательно, удаление данных строк не повлияет на ход исследования:

```
In [22]: # удаление строк
games.dropna(subset=['name', 'genre'], axis=0, inplace=True)

# проверка результата
print(games['name'].isna().sum())
print(games['genre'].isna().sum())

0
0
```

Пропусков в названиях и жанрах больше нет.

Следующим по количеству пропусков является столбец `'year_of_release'` - год выпуска (1.61%). Узнаем, для скольких игр пропущен год выпуска:

```
In [23]: len(games[games['year_of_release'].isna()])
Out[23]: 269
```

Мы не можем привязать год выпуска исключительно к названию игры, поскольку игры на разных платформах могут выходить в разное время. Таким образом, нам нечем восстановить эти пропуски. А поскольку год - существенная отправная точка в нашем исследовании (многие характеристики будут анализироваться в разрезе годов) придётся пожертвовать пропусками и в этом столбце (тем более, их количество не существенно):

```
In [24]: # удаление строк
games.dropna(subset=['year_of_release'], axis=0, inplace=True)

# проверка результата
print(games['year_of_release'].isna().sum())

0

Пропусков в годе выпуска игры больше нет.
```

Следующими по количеству пропусков являются столбцы `'user_score'` (40.09%) и `'rating'` (40.48%):

```
In [25]: print("Количество пропусков в 'user_score':", games['user_score'].isna().sum())
print("Количество пропусков в 'rating':", games['rating'].isna().sum())

Количество пропусков в 'user_score': 8981
Количество пропусков в 'rating': 6676

Рейтинг, как правило, зависит только от самой игры, поэтому пропуски в столбце 'rating' можно было бы попытаться частично восстановить, если хотя бы для одной платформы указан рейтинг конкретной игры. Однако ввиду наличия сложно устранимых неявных дубликатов в названиях, это может оказаться пустой тратой времени и сил. Целесообразнее заполнить пропуски рейтинга некоторым наперёд заданным значением: например, unk - unknown, неизвестный.
```

```
In [26]: games['rating'].fillna(value='unk', inplace=True)
games['rating'].isna().sum()

0

Out[26]: 0
```

Пользовательские оценки одной и той же игры на разных платформах могут отличаться. Других данных для восстановления пропущенных значений в столбце `'user_score'` нет, и, ввиду их большого количества, оставим их незаполненными.

Наибольшее количество пропусков обнаружено в столбце `'critic_score'`. Посмотрим, какие значения принимает данный столбец:

```
In [27]: games['critic_score'].sort_values().unique()

Out[27]: array([13., 17., 19., 20., 21., 23., 24., 25., 26., 27., 28., 29., 30.,
        31., 32., 33., 34., 35., 36., 37., 38., 39., 40., 41., 42., 43.,
        44., 45., 46., 47., 48., 49., 50., 51., 52., 53., 54., 55., 56.,
        57., 58., 59., 60., 61., 62., 63., 64., 65., 66., 67., 68., 69.,
        70., 71., 72., 73., 74., 75., 76., 77., 78., 79., 80., 81., 82.,
        83., 84., 85., 86., 87., 88., 89., 90., 91., 92., 93., 94., 95.,
        96., 97., 98., nan])
```

Оценки критиков являются 2-значными целыми значениями.

**Следует отметить**, что, аналогично пользовательской оценке, не имеется данных для заполнения пропусков в столбце `'critic_score'`, поэтому оставим их также незаполненными.

**Замечание:** заполнение пропусков в оценках фиксированным значением, по аналогии с рейтингом, нарушило бы числовой тип столбца, затруднило бы дальнейшие исследования корреляции, поэтому - нецелесообразно.

Таким образом, обработку пропусков можно считать оконченной.

### Изменение типов данных

Согласно обзору данных целесообразно изменить типы данных следующих столбцов:

- год `'year_of_release'` по смыслу значений - на тип `int32`;
- продажи в регионах ( `'na_sales'`, `'eu_sales'`, `'jp_sales'`, `'other_sales'` ), представленны в миллионах копий, после оценки разброса значений в данных столбцах - на `float32` - для экономии памяти;
- оценки ( `'critic_score'`, `'user_score'` ) в силу ограниченности их значений - на тип `float32` - для экономии памяти.

При этом, следует помнить, что `'user_score'` представлен в таблице типом `object`. Это означает, что в нём могут присутствовать отличные от числовых значения.

```
In [28]: # изменим тип столбца 'year_of_release'
games['year_of_release'] = games['year_of_release'].astype('int32')

# проверим результат
games['year_of_release'].dtype

dtype('int32')
```

Приведём оценки `'critic_score'`, `'user_score'` к типу `float32` (наличие пропусков в данных колонках определяет вещественный тип):

```
In [29]: # изменим тип столбцов
games['critic_score'] = games['critic_score'].astype('float32')
games['user_score'] = games['user_score'].astype('float32')

# проверим результат
print(games['critic_score'].dtype)
print(games['user_score'].dtype)

float32
float32
```

Рассмотрим диапазон значений, принимаемых столбцами продаж:

```
In [30]: columns = ['na_sales', 'eu_sales', 'jp_sales', 'other_sales']
for col in columns:
    print(f'{col} MIN:', games[col].min(), f', {col} MAX:', games[col].max())
```

```
na_sales MIN: 0.0 , na_sales MAX 41.36
eu_sales MIN: 0.0 , eu_sales MAX 28.96
jp_sales MIN: 0.0 , jp_sales MAX 10.22
other_sales MIN: 0.0 , other_sales MAX 10.57
```

Очевидно, значения продаж в миллионах копий можно привести к типу float32:

```
In [31]: columns = ['na_sales', 'eu_sales', 'jp_sales', 'other_sales']
for col in columns:
    games[col] = games[col].astype('float32')
    print(games[col].dtype)
```

```
float32
float32
float32
float32
```

Изменение типов прошло успешно, благодаря предыдущим этапам предобработки. Данные стали компактнее.

### Обогащение данных

Посчитаем и запишем в столбец `'total_sales'` суммарные продажи по всем регионам для каждой игры:

```
In [32]: # вычисление суммарных продаж
games['total_sales'] = games[['na_sales', 'eu_sales',
                             'jp_sales', 'other_sales']].sum(axis=1)

# проверка результата
games.head()
```

Out[32]:

|   | name                     | platform | year_of_release | genre        | na_sales  | eu_sales  | jp_sales | other_sales | critic_score | user_score | rating | total_sales |
|---|--------------------------|----------|-----------------|--------------|-----------|-----------|----------|-------------|--------------|------------|--------|-------------|
| 0 | Wii Sports               | Wii      | 2006            | Sports       | 41.360001 | 28.959999 | 3.77     | 8.45        | 76.0         | 8.0        | E      | 82.539993   |
| 1 | Super Mario Bros.        | NES      | 1985            | Platform     | 29.080000 | 3.580000  | 6.81     | 0.77        | NaN          | NaN        | unk    | 40.240002   |
| 2 | Mario Kart Wii           | Wii      | 2008            | Racing       | 15.680000 | 12.760000 | 3.79     | 3.29        | 82.0         | 8.3        | E      | 35.520000   |
| 3 | Wii Sports Resort        | Wii      | 2009            | Sports       | 15.610000 | 10.930000 | 3.28     | 2.95        | 80.0         | 8.0        | E      | 32.770000   |
| 4 | Pokemon Red/Pokemon Blue | GB       | 1996            | Role-Playing | 11.270000 | 8.890000  | 10.22    | 1.00        | NaN          | NaN        | unk    | 31.380001   |

Суммарные продажи успешно посчитаны.

### Выводы

- В ходе предварительной обработки данных мы выполнили:
  - переименование столбцов;
  - поиск и, по возможности, обработку аномалий;
  - обработку пропусков;
  - изменение типов данных;
  - обогащение данных.
- Колонки таблицы теперь поименованы корректно, в соответствии со стилем "snake\_case".
- Были обнаружены следующие аномалии данных:
  - Столбцы `'year_of_release'`, `'critic_score'` содержали вещественное представление целых чисел. Кроме того, оценки критиков содержали пропуски. Данные аномалии были обработаны на соответствующих этапах.
  - Столбец `'user_score'` содержал, помимо вещественных значений самой оценки, пропуски, а также строку `'tbd'`, что означает `'to be determined'` - подлежит определению. Иными словами, на момент извлечения данных эти оценки не были определены, и было решено заменить их пропусками (NaN).
  - Столбец `'name'` содержит 11560 уникальных названий игр. Среди них были заподозрены 3 группы аномалий:
    - имена, начинающиеся с одного пробела, возможно, имеют неявные дубликаты без пробела;
    - зачем-то продажи в некоторых регионах - sales - вынесены в отдельную строку (возможные неявные дубликаты);
    - группа названий (22 шт.) в конце сотрированного списка уникальных имён, начинающихся с маленькой буквы (возможны неявные дубликаты, написанные с большой буквы).

Подозрения 1 и 3 групп оказались несостоятельны. Среди почти 150 уникальных наименований 2 группы регулярности в наименовании подобных случаев не наблюдается, и для их исправления сложно предложить адекватную автоматизацию, а исправлять вручную - очень трудозатратно и нецелесообразно.

- В ходе обработки пропусков удалены 2 строки с пропусками в столбцах `'name'` и `'genre'`, 269 строк с пропусками в столбце `'year_of_release'` (поскольку год - существенная отправная точка в нашем исследовании).
- Большое количество пропусков в столбцах оценок (`'user_score'`, `'critic_score'`) оставлено без обработки, поскольку датафрейм не содержит информации для их заполнения, а удалять их нецелесообразно.
- Пропуски в столбце `'rating'` заполнены наперёд заданным значением `unk` - unknown, неизвестный.
- Изменены типы данных следующих столбцов:
  - год `'year_of_release'` - на тип int16;
  - продажи в регионах (`'na_sales'`, `'eu_sales'`, `'jp_sales'`, `'other_sales'`) - на float16;
  - оценки (`'critic_score'`, `'user_score'`) - на тип float16.

Данные стали компактнее.

- В ходе обогащения данных в столбец `'total_sales'` таблицы занесены суммарные продажи по всем регионам для каждой игры.

## Исследовательский анализ данных

### Выбор актуального периода исследования

Начнём с ответа на вопросы:

- 1. Сколько игр выпускалось в разные годы?
- 2. Важны ли данные за все периоды?

**Посчитаем количество игр, выпущенных в разные годы.**

```
In [33]: games.groupby(by='year_of_release')['name'].count()

Out[33]:
year_of_release
1980      9
1981     46
1982     36
1983     17
1984     14
1985     14
1986     21
1987     16
1988     15
1989     17
1990     16
1991     41
1992     43
1993     60
1994    121
1995    219
1996    263
1997    289
1998    379
1999    338
2000    350
2001    482
2002    829
2003    775
2004    762
2005    939
2006   1006
2007   1197
2008   1427
2009   1426
2010   1255
2011   1136
2012    653
2013    544
2014    581
2015    606
2016    502
Name: name, dtype: int64
```

Игровая индустрия переживала "бум" с 2006 по 2011 годы (ежегодно выходило более тысячи игр). В период до 2001 года включительно выходило более чем вдвое меньше игр. Таким образом, данные за 1980-2001 гг. можно считать несущественными.

**Посчитаем суммарные продажи в разрезе платформ.**

```
In [34]: games.groupby(by='platform')['total_sales'].sum().sort_values(ascending=False)

Out[34]:
platform
PS2      1233.559937
X360     961.239990
PS3      931.339966
Wii       891.179993
DS        802.780029
PS         727.580017
PS4       314.140015
GBA       312.880005
PSP       289.529999
3DS       257.809998
PC        255.759995
GB        254.429993
XB        251.569992
NES       251.050003
N64       218.009995
SNES      200.039993
GC        196.729996
XOne      159.320007
2600       86.480003
WiiU       82.190002
PSV        53.810001
SAT        33.590000
GEN        28.350000
DC         15.950000
SCD         1.860000
NG          1.440000
WS          1.420000
TG16        0.160000
3DO         0.100000
GG          0.040000
PCFX        0.030000
Name: total_sales, dtype: float32
```

Наиболее популярными платформами являются PS2, X360, PS3, Wii, DS, PS - суммарные продажи по ним более чем вдвое превышают продажи по остальным платформам:

```
In [35]: top_platforms = list(games.groupby(by='platform')['total_sales'].sum()
        .sort_values(ascending=False).index)[:6]
top_platforms

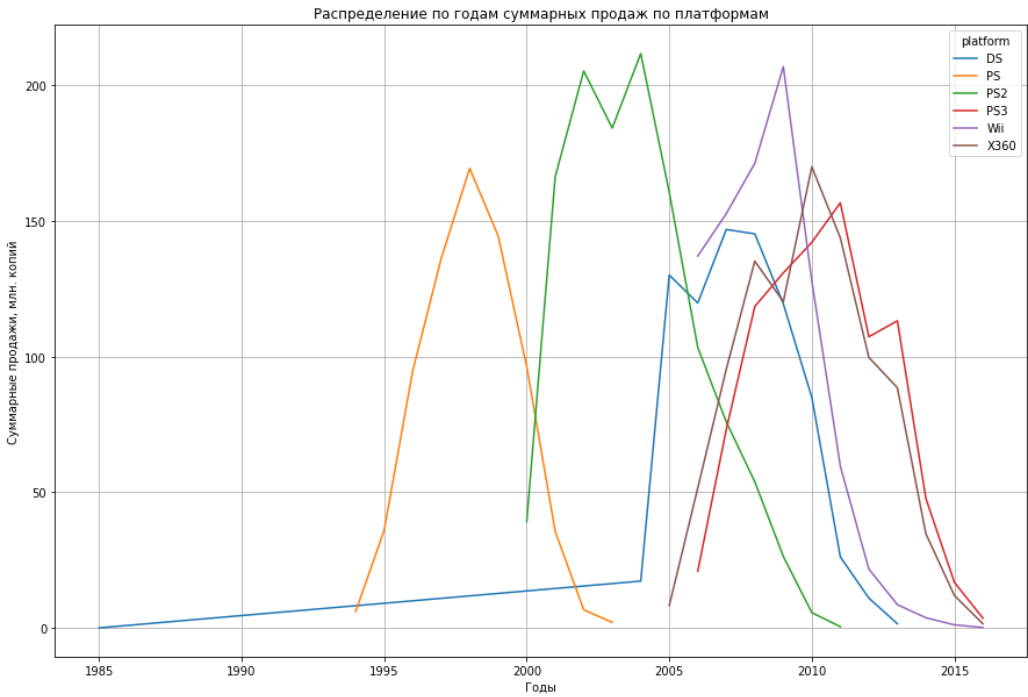
Out[35]: ['PS2', 'X360', 'PS3', 'Wii', 'DS', 'PS']
```

**Посчитаем суммарные продажи по Топ-6 платформ и построим график.**

```
In [36]: # Построим график распределения
build_line_plot((games[games['platform'].isin(top_platforms)] # выберем Топ-6 платформ
                .pivot_table(values='total_sales', # посчитаем сумму по годам
                              index=['platform','year_of_release'],
                              aggfunc='sum'))
```



```
.reset_index(), # развёрнём мультииндекс в столбцы
'year_of_release',
'total_sales',
'platform',
"Распределение по годам суммарных продаж по платформам",
'Годы',
'Суммарные продажи, млн. копий',
figsize=(15, 10))
```



На графике видно, что средний срок жизни платформы (от возникновения до исчезновения) примерно равен 10 годам.

Ранее на основе анализа количества выпущенных игр мы ограничили актуальный период исследования 2002-2016 годами. С учётом среднего срока жизни платформы актуальный период можно было бы ограничить 2006-2016 годами, однако для целей прогнозирования на следующий год такой долгий период не подходит - для этого надо учитывать тренды последних лет, а популярные 10 лет назад модели вполне могли устареть.

Поэтому включим в актуальный период 2 последних полных года и текущий, возможно неполный:

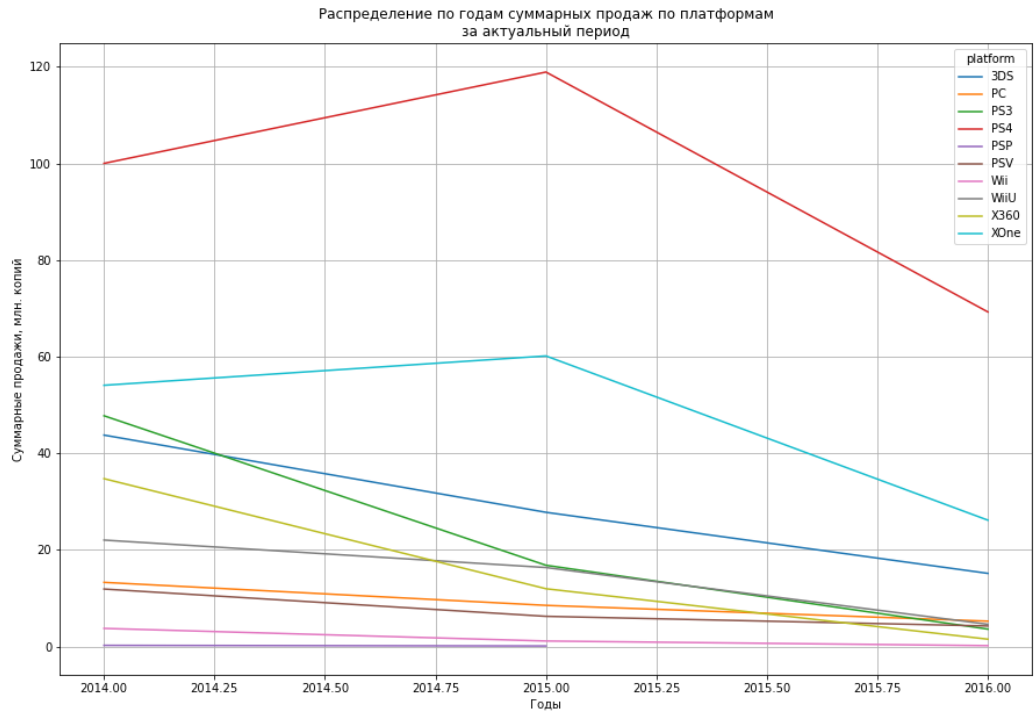
```
In [37]: games_actual = games[games['year_of_release'] >= 2014].copy()
games_actual.sample(3)
```

|       | name  | platform | year_of_release | genre    | na_sales | eu_sales | jp_sales | other_sales | critic_score | user_score | rating | total_sales |
|-------|---|----------|-----------------|----------|----------|----------|----------|-------------|--------------|------------|--------|-------------|
| 13966 | Warriors Orochi 3                                 | XOne     | 2014            | Action   | 0.01     | 0.03     | 0.0      | 0.00        | NaN          | NaN        | unk    | 0.04        |
| 11129 | Might & Magic Heroes VII                          | PC       | 2015            | Strategy | 0.00     | 0.08     | 0.0      | 0.00        | NaN          | NaN        | unk    | 0.08        |
| 7262  | Naruto Shippuden: Ultimate Ninja Storm Revolution | X360     | 2014            | Fighting | 0.14     | 0.06     | 0.0      | 0.02        | 62.0         | 7.3        | T      | 0.22        |

### Изучение продаж по платформам за актуальный период

*Построим распределение суммарных продаж по платформам* за актуальный период:

```
In [38]: # Построим график распределения
build_line_plot((games_actual # выберем данные
                .pivot_table(values='total_sales', # посчитаем сумму по годам
                             index=['platform','year_of_release'],
                             aggfunc='sum')
                .reset_index(), # развёрнём мультииндекс в столбцы
'year_of_release',
'total_sales',
'platform',
"Распределение по годам суммарных продаж по платформам\пза актуальный период",
'Годы',
'Суммарные продажи, млн. копий',
figsize=(15, 10))
```



В актуальном периоде по продажам лидировали платформы PS4, XOne, 3DS, PS3, X360:

```
In [39]: get_top_platforms(games_actual, 2014, 2016)

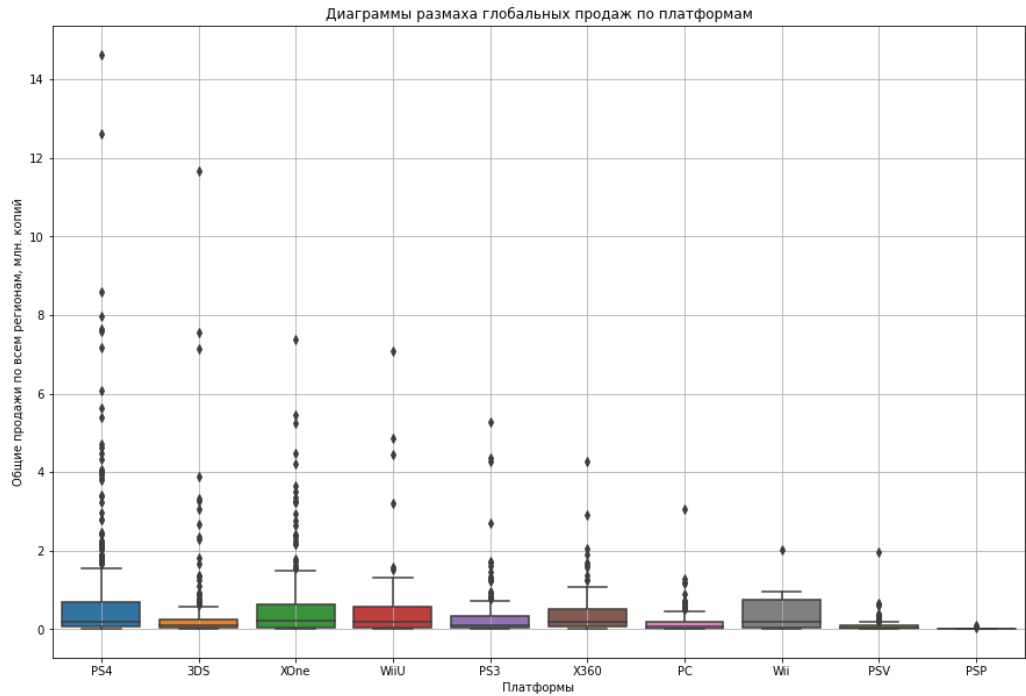
Out[39]: platform
PS4      288.149994
XOne     140.360001
3DS       86.680000
PS3       68.180000
X360      48.220001
WiiU      42.980000
PC        27.050001
PSV       22.400000
Wii        5.070000
PSP        0.360000
Name: total_sales, dtype: float32
```

При этом, с учётом возможной неполноты данных за 2016 год, растут продажи всего по двум платформам (PS4 и XOne), по остальным - снижаются с разной степенью интенсивности.

Очевидно, самыми перспективными на конец актуального периода следует признать платформы PS4 и XOne.

**Построим диаграммы размаха по глобальным продажам игр в разработке по платформам** (платформы перечислены в порядке уменьшения максимальных значений продаж):

```
In [40]: build_box_plot(games_actual, "platform", "total_sales",
                        title='Диаграммы размаха глобальных продаж по платформам',
                        x_label='Платформы',
                        y_label='Общие продажи по всем регионам, млн. копий')
```

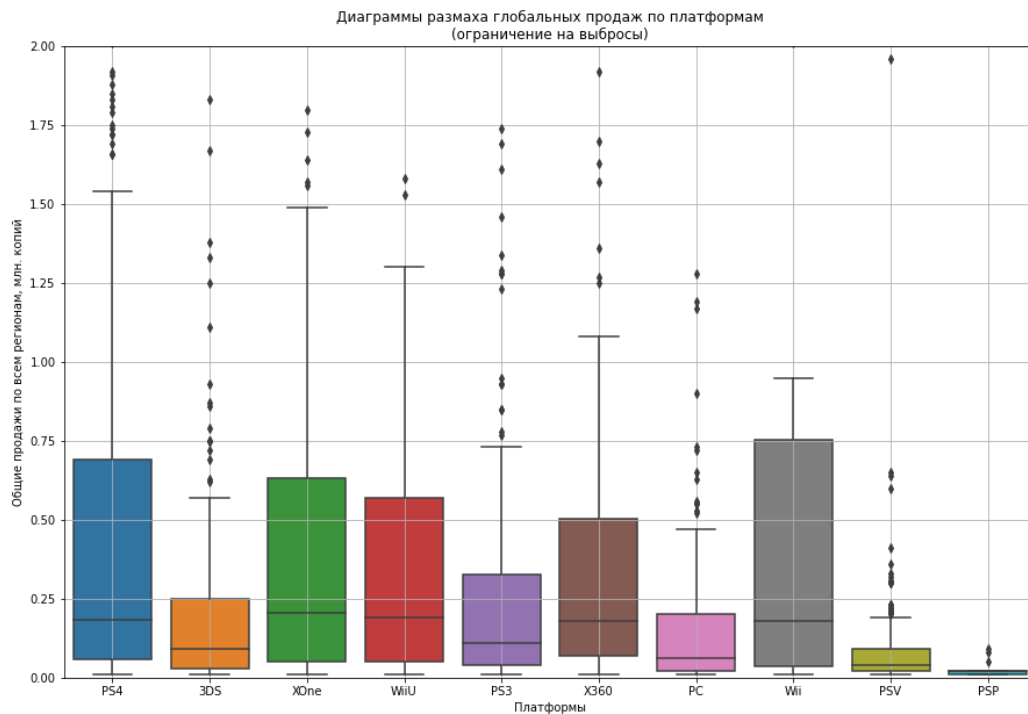


По самой популярной платформе PS4 и занимающей третье место 3DS выбросы наблюдаются до 12 млн. проданных копий и выше. Продажи по остальным

укладываются в 8 млн. копий.

Повысим информативность графика:

```
In [41]: build_box_plot(games_actual, "platform", "total_sales",
                      title='Диаграммы размаха глобальных продаж по платформам\n(ограничение на выбросы)',
                      x_label='Платформы',
                      y_label='Общие продажи по всем регионам, млн. копий',
                      y_lim=(0,2))
```



Все платформы, за исключением японской Sony Playstation Portable (PSP), обладают достаточно большим разбросом продаж. PSP претерпела последний [редизайн](#) в 2011 году. При среднем сроке жизни поколений данной платформы до 3 лет неудивительно, что популярность данной платформы в актуальный период мала.

Наибольших показателей продажи достигли на платформах PS4 и 3DS. Однако, если не учитывать статистические выбросы (по версии диаграмм) продаж отдельных игр, **наиболее популярными на всём срезе актуального периода следует признать платформы PS4 от Sony, XOne от Microsoft, а также WiiU от Nintendo**, что частично подтверждает сделанные ранее выводы на основе распределений.

**Следует отметить**, что все без исключения диаграммы размаха сильно смещены влево, что свидетельствует о том, что подавляющее большинство игр на всех платформах обладает достаточно скромными продажами, а доля "хитов" - сравнительно невелика.

**Исследуем глубже популярную платформу Sony PS4.** Выявим зависимость между оценками пользователей и критиков и продажами игр внутри платформы. Построим матрицу попарной корреляции Пирсона для этих параметров:

```
In [42]: columns = ['total_sales', 'user_score', 'critic_score']

games_actual.query("platform == 'PS4'")[columns].corr().style.background_gradient('coolwarm')
```

```
Out[42]:
```

|              | total_sales | user_score | critic_score |
|--------------|-------------|------------|--------------|
| total_sales  | 1.000000    | -0.040132  | 0.402661     |
| user_score   | -0.040132   | 1.000000   | 0.546434     |
| critic_score | 0.402661    | 0.546434   | 1.000000     |

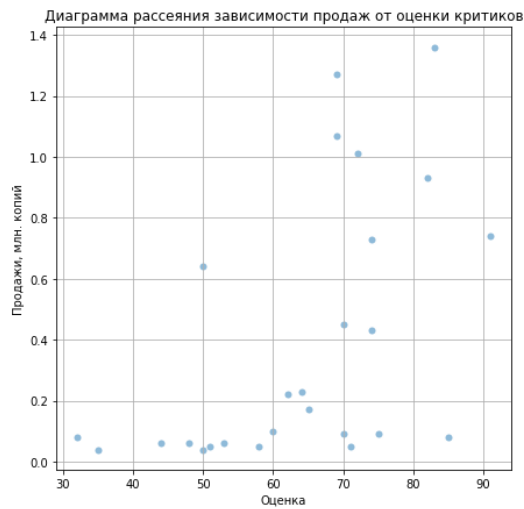
Как видно из матрицы корреляции, оценки критиков влияют на продажи сильнее оценок пользователей. Зависимость закономерно прямая: чем выше оценка критика, тем выше продажи.

В то же время, пользователи склонны недооценивать игры на данной платформе - наблюдается обратная и достаточно слабая зависимость продаж от пользовательских оценок.

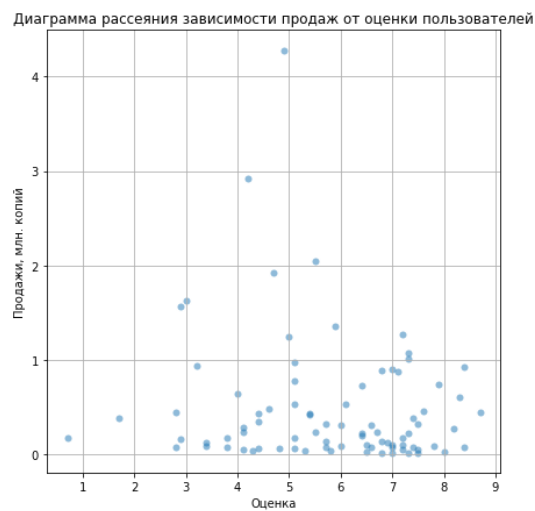
**Любопытно отметить**, что существует довольно сильная прямая зависимость между оценками критиков и пользователей. В этой ситуации при оценке перспектив конкретной игры целесообразнее ориентироваться на оценку критиков, как сильнее влияющую на продажи.

**Построим диаграммы рассеяния для зависимости продаж от двух видов оценок:**

```
In [43]: # диаграмма зависимости продаж от оценок критиков
build_scatter_plot(games_actual.query("platform == 'X360'"),
                  "critic_score", "total_sales",
                  title='Диаграмма рассеяния зависимости продаж от оценки критиков',
                  x_label='Оценка', y_label='Продажи, млн. копий',
                  alpha=.5, ax=None)
```



```
In [44]: # диаграмма зависимости продаж от оценок пользователей
build_scatter_plot(games_actual.query("platform == 'X360'"),
                  "user_score", "total_sales",
                  title="Диаграмма рассеяния зависимости продаж от оценки пользователей",
                  x_label="Оценка", y_label="Продажи, млн. копий",
                  alpha=.5, ax=None)
```



Построенные диаграммы рассеяния подтверждают сделанные ранее выводы о более слабой зависимости продаж от оценок пользователей, по сравнению с зависимостью от оценок критиков.

При этом отрицательный тренд корреляции определяют всего 4 игры, получившие скромные нейтральные оценки пользователей, но при этом проданные тиражом свыше 2 млн. копий каждая.

**Рассмотрим продажи на платформах, отличных от Sony PS4.** Построим матрицу корреляции:

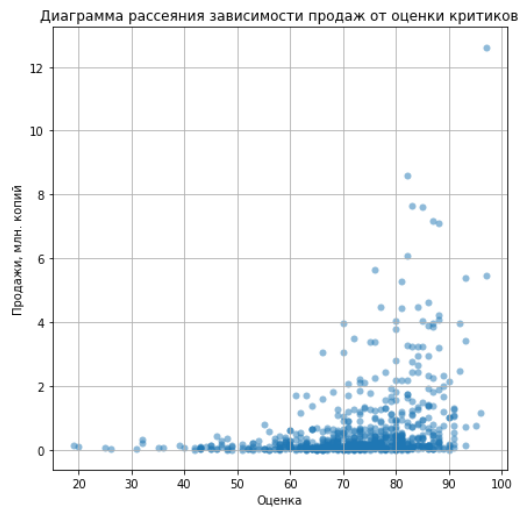
```
In [45]: columns = ['total_sales', 'user_score', 'critic_score']
games_actual.query("platform != 'PS4')[columns].corr().style.background_gradient('coolwarm')
```

```
Out[45]:
```

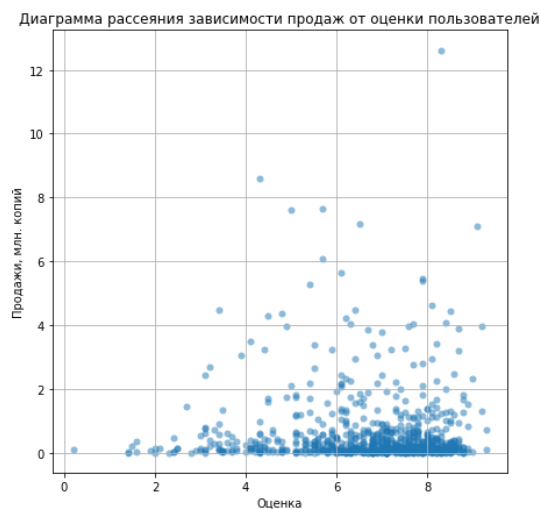
|              | total_sales | user_score | critic_score |
|--------------|-------------|------------|--------------|
| total_sales  | 1.000000    | -0.023478  | 0.309474     |
| user_score   | -0.023478   | 1.000000   | 0.485783     |
| critic_score | 0.309474    | 0.485783   | 1.000000     |

И диаграммы рассеяния:

```
In [46]: # диаграмма зависимости продаж от оценок критиков
build_scatter_plot(games_actual.query("platform != 'X360'"),
                  "critic_score", "total_sales",
                  title="Диаграмма рассеяния зависимости продаж от оценки критиков",
                  x_label="Оценка", y_label="Продажи, млн. копий",
                  alpha=.5, ax=None)
```



```
In [47]: # диаграмма зависимости продаж от оценок пользователей
build_scatter_plot(games_actual.query("platform != 'X360'"),
                  "user_score", "total_sales",
                  title='Диаграмма рассеяния зависимости продаж от оценок пользователей',
                  x_label='Оценка', y_label='Продажи, млн. копий',
                  alpha=.5, ax=None)
```

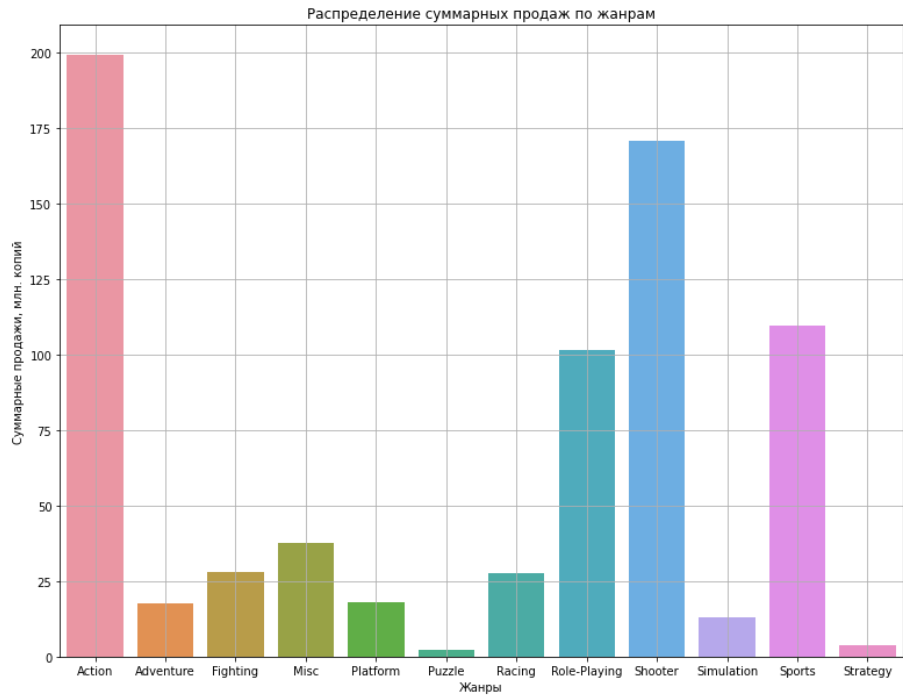


Анализируя матрицы корреляции и диаграммы рассеяния, можно сделать вывод, что на других платформах исследуемые зависимости слабее, по сравнению с лидером - PS4, но тенденции сохраняются.

## Изучение продаж по жанрам

**Рассмотрим распределение суммарных продаж игр по жанрам** за актуальный период:

```
In [48]: build_bar_plot(df=(games_actual # выберем данные
                             .pivot_table(values='total_sales', # посчитаем сумму по годам
                                           index=['genre'],
                                           aggfunc='sum')
                             .reset_index()),
          x_col='genre',
          y_col='total_sales',
          title='Распределение суммарных продаж по жанрам',
          x_label='Жанры',
          y_label='Суммарные продажи, млн. копий', figsize=(13, 10))
```



Как следует из диаграммы распределения, игры разных жанров продаются не одинаково:

- из 12 представленных жанров лидируют 4 - Action, Shooter, Sports, Role-Playing;
- в средней нише 5 жанров - Fighting, Racing, Platform, Adventure, Simulation;
- замыкают список Strategy и Puzzle.

**Замечание:** Жанр "разное" - Misc - не рассматриваем, т.к. в него попадает смесь различных непопулярных жанров.

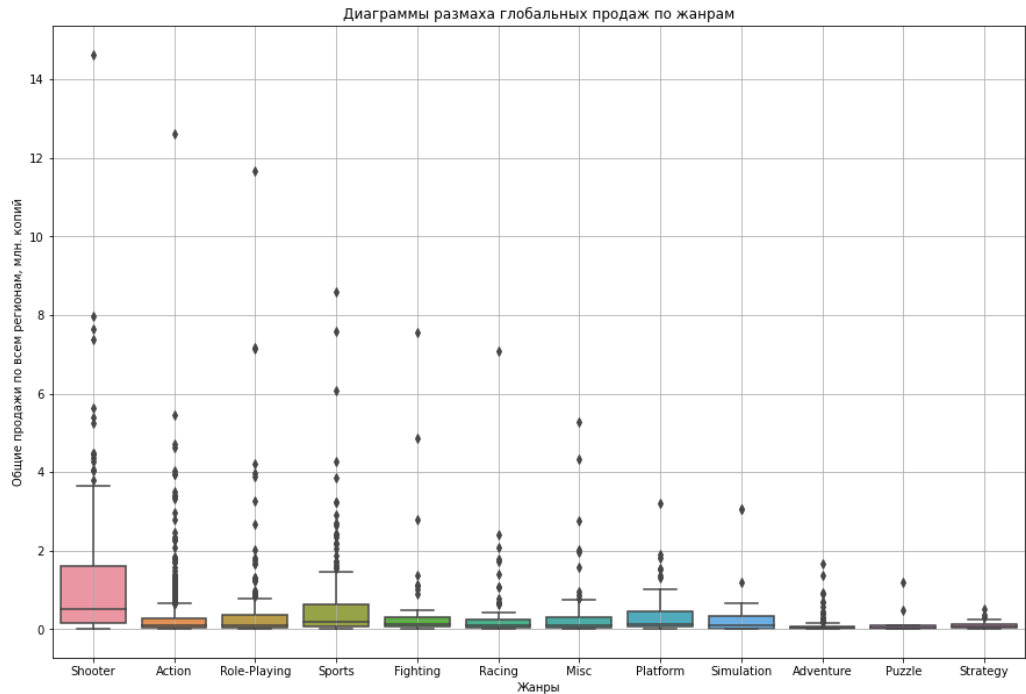
**Лидерами продаж** являются игры в жанре Action (около 200 млн. проданных копий за актуальный период). За ними следуют "стрелялки" и спортивные игры (около 170 и 110 млн. копий соответственно).

**В аутсайдерах** - стратегии и головоломки (5 и менее млн. копий на каждый жанр за актуальный период.).

В то же время, общие продажи - не мсамая хорошая метрика для оценки прибыльности жанра, поскольку редкие "хиты" могут существенно перебивать по продажам множество "середняков" жанра.

Для оценки медианных продаж по каждому жанру, построим диаграммы размаха:

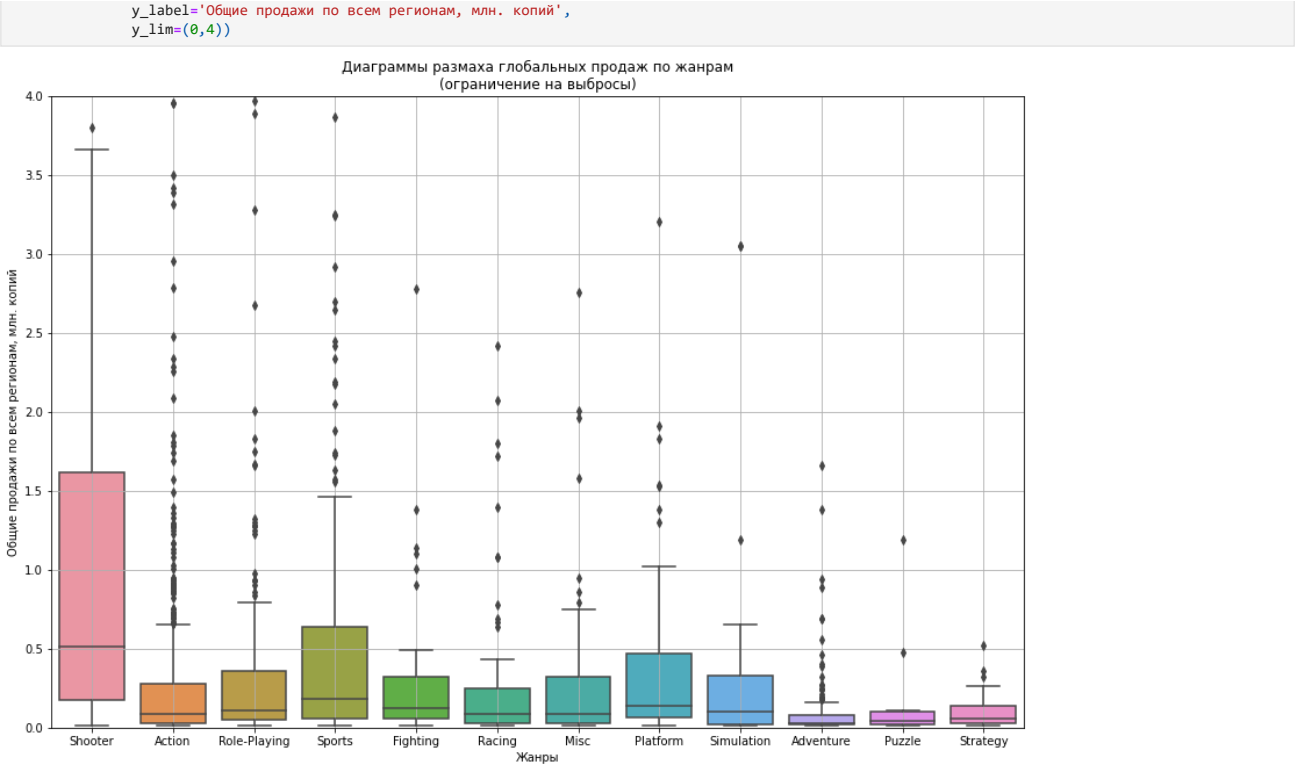
```
In [49]: build_box_plot(games_actual, "genre", "total_sales",
                        title='Диаграммы размаха глобальных продаж по жанрам',
                        x_label='Жанры',
                        y_label='Общие продажи по всем регионам, млн. копий')
```



Итак, "стрелялки" переместились на 1 место, а прежний лидер - Action - набирал свои продажи исключительно за счёт большего количества "хитов" в этом жанре.

Настроим диаграмму:

```
In [50]: build_box_plot(games_actual, "genre", "total_sales",
                        title='Диаграммы размаха глобальных продаж по жанрам\n(ограничение на выбросы)',
                        x_label='Жанры',
```



Полученная диаграмма наглядно иллюстрирует, что по медианным продажам лидируют "стрелялки", за ними следуют спортивные игры и платформы.

Выводы

1. В ходе EDA мы:
- выбрали актуальный период для исследования;
  - изучили продажи по годам в разрезе игровых платформ;
  - изучили продажи по жанрам.
1. На основании изучения времени жизни платформ мы ограничили актуальный период 2014-2016 годами.
1. Самыми перспективными на конец актуального периода, наиболее близкий к прогнозируемому году, следует признать платформы PS4 и XOne.
1. Оценки критиков влияют на продажи сильнее оценок пользователей. Зависимость продаж от мнения критиков - прямая: чем выше оценка, тем выше продажи. Кроме того, существует довольно сильная прямая зависимость между оценками критиков и пользователей. В этой ситуации при оценке перспектив конкретной игры целесообразнее ориентироваться на оценку критиков, как сильнее влияющую на продажи. Кроме того, отмечено, что пользователи склонны недооценивать игры на данной платформе - наблюдается обратная и достаточно слабая зависимость продаж от пользовательских оценок.
1. Тенденции зависимости продаж от оценок критиков и пользователей для лидирующей платформы и остальных сохраняются.
1. Лидерами продаж являются игры в жанре Action (около 200 млн. проданных копий за актуальный период). За ними следуют "стрелялки" и спортивные игры (около 170 и 110 млн. копий соответственно). В аутсайдерах - стратегии и головоломки (5 и менее млн. копий на каждый жанр за актуальный период.).
1. В то же время, общие продажи - не самая хорошая метрика для оценки прибыльности жанра, поскольку редкие "хиты" могут существенно перебивать по продажам множество "среднячков" жанра. Построенные диаграммы размаха наглядно иллюстрируют, что по медианным продажам лидируют "стрелялки", за ними следуют спортивные игры и платформы.

Портрет типичного пользователя каждого региона

В данных выделены 3 региона продаж:

- NA - Северная Америка;
- EU - Европа;
- JP - Япония.

Опишем "портрет" типичного пользователя каждого выделенного региона:

- наиболее и наименее популярные игровые платформы;
- наиболее и наименее популярные жанры;
- зависимость продаж от рейтинга ESRB.

Рейтинг ESRB включает в себя следующие категории:

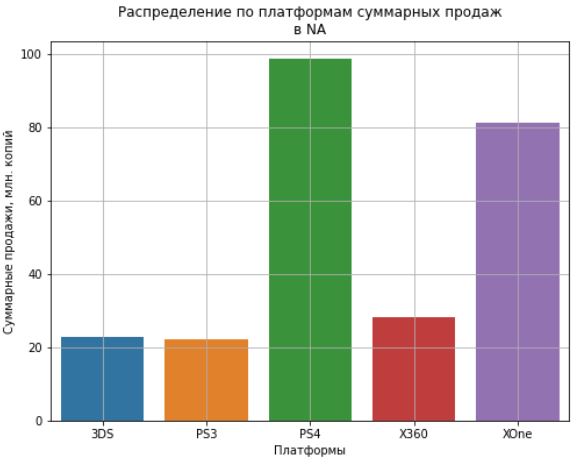
- «EC» («Early childhood») — «Для детей младшего возраста»;
- «E» («Everyone») — «Для всех»;
- «E10+» («Everyone 10 and older») — «Для всех от 10 лет и старше»;
- «T» («Teen») — «Подросткам»;
- «M» («Mature») — «Для взрослых»;
- «AO» («Adults Only 18+») — «Только для взрослых»;
- «RP» («Rating Pending») — «Рейтинг ожидается».

Портрет типичного пользователя региона NA

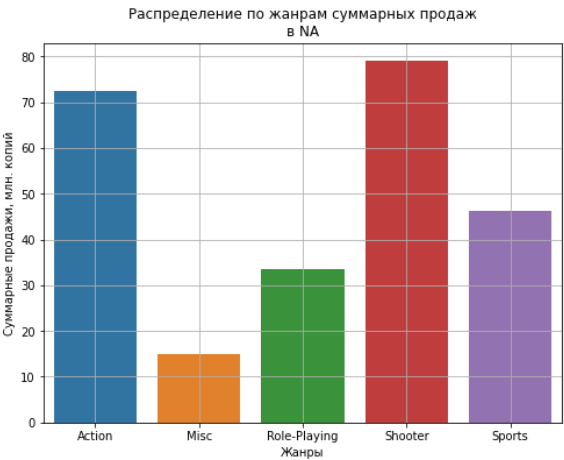
Сформируем профиль пользователей региона NA:

```
In [51]: make_region_profile(games_actual, 'na_sales', 'NA')
```

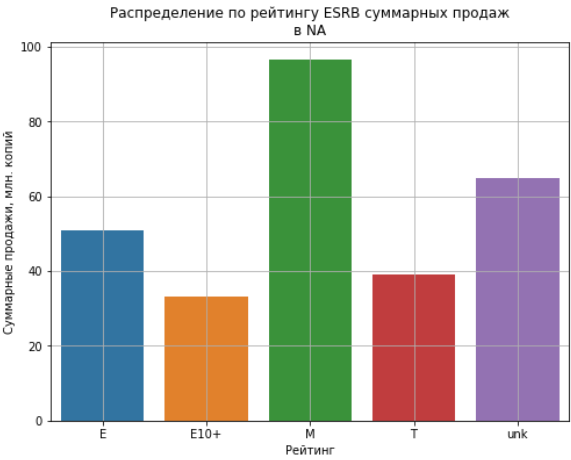
Топ-5 платформ в NA: ['PS4', 'XOne', 'X360', '3DS', 'PS3']



Топ-5 жанров в NA: ['Shooter', 'Action', 'Sports', 'Role-Playing', 'Misc']



ESRB рейтинги в NA: ['E', 'E10+', 'M', 'T', 'unk']



Опишем распределение суммарных продаж в регионе NA для Топ-5 платформ за актуальный период:

**Список Топ-5 платформ в регионе NA** выглядит следующим образом: PS4, XOne, X360, 3DS, PS3.

**Наиболее популярной платформой** за актуальный период в Северной Америке является PS4, наименее популярной - PS3.

За исключением двух лидеров (PS4, XOne), список Топ-5 характеризуется продажами практически на одном уровне - 20-30 млн. копий.

Рассмотрим жанровые предпочтения пользователей в Северной Америке:

**Список Топ-5 жанров в регионе NA** выглядит следующим образом: Shooter, Action, Sports, Role-Playing, Misc.

**Наиболее популярными жанрами** за актуальный период в Северной Америке являются Shooter и Action, наименее популярным - Role-Playing.

Крепким "середняком" в Северной америке выглядит жанр Sports.

В группу "разное" (Misc) входит достаточно большое количество игр "узких", новых жанров, что может свидетельствовать об инновационности игровой индустрии региона.

Рассмотрим влияние рейтинга на продажи в NA:



В Северной Америке продажи по рейтингу распределились следующим образом:

- лидируют игры "для взрослых" (около 95 млн. копий),
- игры "для всех" (около 50 млн. копий),
- игры "для подростков" (около 40 млн. копий),
- игры "для всех от 10 лет и старше" (около 32 млн. копий).

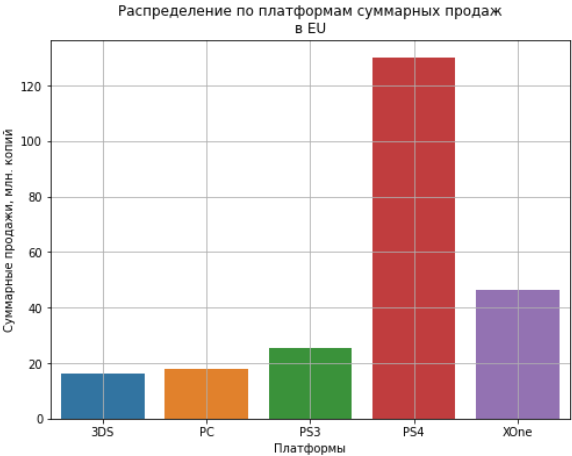
**Следует отметить**, что ESRB - североамериканский рейтинг, и есть вероятность (однако нет полной уверенности), что что достаточно большое количество игр, помеченных нами на этапе предобработки, как "unk", на самом деле могут быть поданными на присвоение рейтинга и, таким образом, иметь рейтинг RP.

### Портрет типичного пользователя региона EU

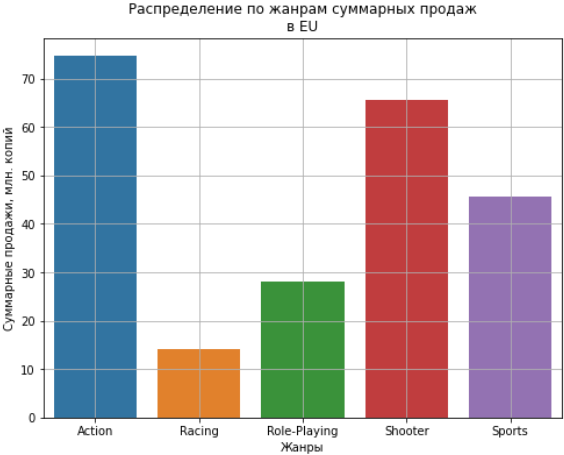
Сформируем профиль пользователей региона EU:

```
In [52]: make_region_profile(games_actual, 'eu_sales', 'EU')
```

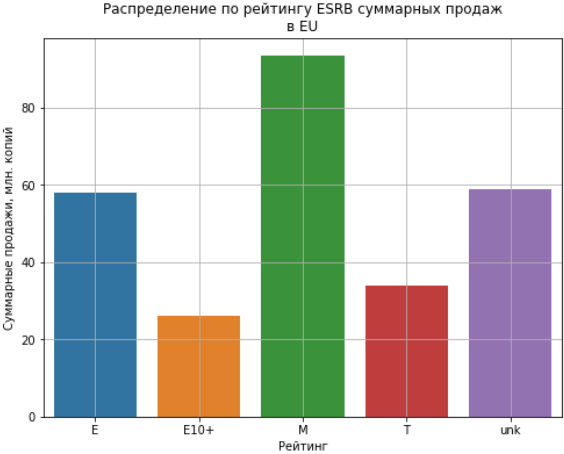
Топ-5 платформ в EU: ['PS4', 'XOne', 'PS3', 'PC', '3DS']



Топ-5 жанров в EU: ['Action', 'Shooter', 'Sports', 'Role-Playing', 'Racing']



ESRB рейтинги в EU: ['E', 'E10+', 'M', 'T', 'unk']



Опишем распределение суммарных продаж в регионе EU для Топ-5 платформ за актуальный период:

**Список Топ-5 платформ в регионе EU** выглядит следующим образом: PS4, XOne, PS3, PC, 3DS.

**Наиболее популярной платформой** за актуальный период в Европе является PS4, наименее популярными - PC и 3DS.

Распределение продаж по платформам в Европейском регионе выглядит следующим образом:

1. лидер (PS4) - свыше 125 млн. копий;
2. средняя группа (XOne, PS3) - около 35-45 млн. копий;

3. аутсайдеры (DS, PS4) - менее 20 млн. копий.

Рассмотрим жанровые предпочтения пользователей в Европе:

**Список Топ-5 жанров в регионе EU** выглядит очень похоже на регион NA: Action, Shooter, Sports, Role-Playing, Racing.

**Наиболее популярными жанрами** за актуальный период в Европе являются Action и Shooter (ситуация похожа на Северную Америку "наоборот"), аутсайдер поменялся - вместо ролевых игр Топ-5 замыкают гонки.

В остальном Европейский регион по жанровым предпочтениям похож на Северную Америку, возможно потому, что большая часть игр, продаваемых в Европе, выпущена в Америке. При этом на европейском рынке отмечается отсутствие группы "разное", что также подтверждает этот вывод.

Рассмотрим влияние рейтинга на продажи в EU:

В Европе продажи по рейтингу распределились следующим образом:

- лидируют игры "для взрослых" (свыше 90 млн. копий),
- игры "для всех" (около 60 млн. копий),
- игры "для подростков" (около 33 млн. копий),
- игры "для всех от 10 лет и старше" (свыше 25 млн. копий).

Так же как и в Америке, в европе наблюдается достаточно большое количество игр с рейтингом unknown.

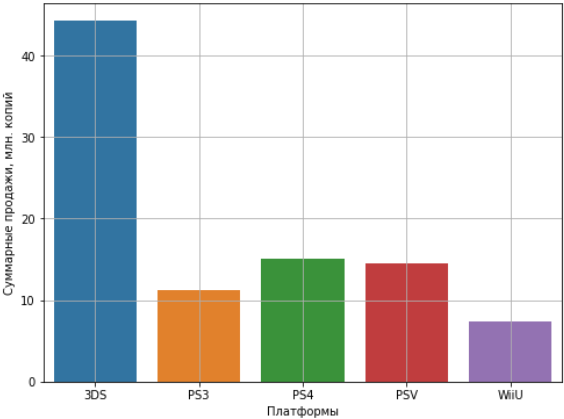
Как видим, ситуация с зависимостью продаж от рейтинга напоминает Северную Америку "в миниатюре". Что также подтверждает тезис о том, что большая часть игр, продаваемых в Европе, выпущена в Америке.

### Портрет типичного пользователя региона JP

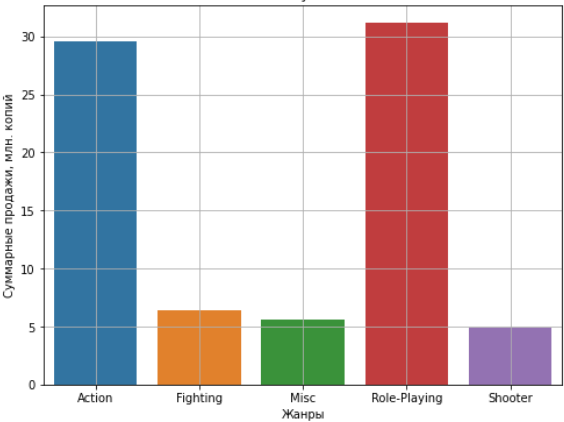
Сформируем профиль пользователей региона JP:

```
In [53]: make_region_profile(games_actual, 'jp_sales', 'JP')
```

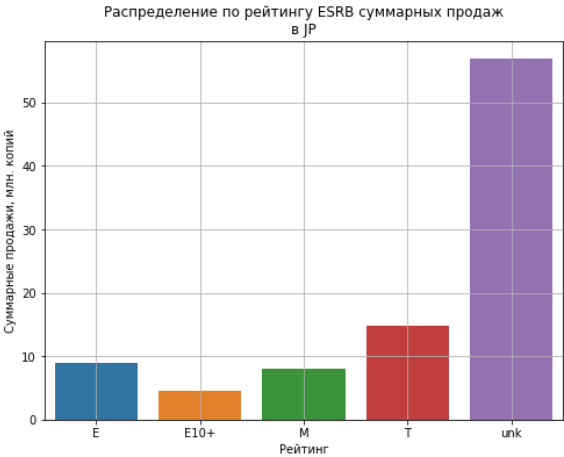
Топ-5 платформ в JP: ['3DS', 'PS4', 'PSV', 'PS3', 'WiiU']  
Распределение по платформам суммарных продаж в JP



Топ-5 жанров в JP: ['Role-Playing', 'Action', 'Fighting', 'Misc', 'Shooter']  
Распределение по жанрам суммарных продаж в JP



ESRB рейтинги в JP: ['E', 'E10+', 'M', 'T', 'unk']



Опишем распределение суммарных продаж в регионе JP для Top-5 платформ за актуальный период:

**Список Top-5 платформ в регионе JP** выглядит следующим образом: 3DS, PS4, PSV, PS3, WiiU.

Здесь уже нет платформ американских компаний - только японские: 3DS, WiiU - Nintendo; PS4, PSV, PS3 - Sony.

На удивление, лидирующая в мире PS4 пользуется достаточно скромной популярностью на родине производителя, уступая 3DS от Nintendo.

**Наиболее популярной платформой** за актуальный период в Японии является 3DS, наименее популярной - WiiU. Консоли от Sony держатся в группе "средняков".

Распределение продаж по платформам в Японии выглядит следующим образом:

- лидер (3DS) - около 50 млн. копий;
- средняя группа (PS4, PSV) - порядка 15 млн. копий;
- аутсайдеры - PSP (чуть более 10 млн. копий) и Wii (около 7 млн. копий).

Рассмотрим жанровые предпочтения пользователей в Японии:

**Список Top-5 жанров в регионе JP** выглядит совсем не похоже на регион NA: Role-Playing, Action, Fighting, Misc, Shooter.

**Наиболее популярным жанром** за актуальный период в Японии являются ролевые игры, наименее популярным - лидирующие в Америке "стрелялки".

Несмотря на то, что Япония по жанровым предпочтениям совершенно не похожа на NA или EU, нельзя не отметить, что, аналогично американской игровой индустрии, японская также является в достаточной степени инновационной, о чём свидетельствуют достаточно большие продажи игр мелких жанров, объединённых в "другое" (Misc).

Рассмотрим влияние рейтинга на продажи в JP:

В Японии продажи по рейтингу распределились следующим образом:

- лидируют игры без рейтинга - unk (порядка 60 млн. копий),
- игры "для подростков" (около 15 млн. копий),
- игры "для всех" (около 9 млн. копий),
- игры "для взрослых" (около 8 млн. копий),
- игры "для всех от 10 лет и старше" (около 5 млн. копий).

Подобная ситуация сложилась, скорее всего из-за того, что японская игровая индустрия ориентирована, в первую очередь, на внутренний рынок, а игровых рейтингов в Стране восходящего солнца не существует.

Выводы

- Мы опирались на портрет типичного пользователя для 3 регионов продаж:
  - NA - Северная Америка;
  - EU - Европа;
  - JP - Япония.
- Наиболее популярные игровые платформы распределились следующим образом:
  - в регионе NA - PS4, XOne, X360, 3DS, PS3;
  - в регионе EU - PS4, XOne, PS3, PC, 3DS;
  - в регионе JP - 3DS, PS4, PSV, PS3, WiiU.

Как видим, в Америке Европе лидирующую американскую платформу потеснила по популярности новая японская PS4, в то время, как в Японии, ориентированной на потребление собственной продукции, лидирует платформа 3DS от Nintendo.

- Наиболее популярные игровые жанры распределились следующим образом:
  - в регионе NA - Shooter, Action, Sports, Role-Playing, Misc;
  - в регионе EU - Action, Shooter, Sports, Role-Playing, Racing;
  - в регионе JP - Role-Playing, Action, Fighting, Misc, Shooter.

Как видим, европейские и американские жанровые предпочтения похожи, за исключением аутсайдеров, японские же - в корне отличаются.

- Зависимость продаж от рейтинга ESRB в Америке и Европе похожа, что можно объяснить тем, что большая часть игр, продаваемых в Европе, выпущена в Америке. Япония в меньшей степени зависит от рейтинга, ориентируясь, как мы уже говорили, на внутренний рынок, на котором не существует игровых рейтингов.

## Проверка статистических гипотез

В рамках исследования необходимо проверить 2 гипотезы:

- 1. Средние пользовательские рейтинги платформ Xbox One и PC одинаковые.
- 2. Средние пользовательские рейтинги жанров Action и Sports разные.

### Проверка гипотезы №1

Необходимо проверить гипотезу "Средние пользовательские рейтинги платформ Xbox One и PC одинаковые".

Сформулируем соответствующие статистические гипотезы:

- H0 - средняя пользовательская оценка для платформы XOne равна средней пользовательской оценке для платформы PC.
- H1 - средняя пользовательская оценка для платформы XOne НЕ равна средней пользовательской оценке для платформы PC.

Это статистическая гипотеза о равенстве средних двух генеральных совокупностей. Посчитаем размеры выборок:

```
In [54]: print('Длина выборки для XOne:',
        len(games_actual.query('platform == "XOne"')))
print('Доля пропусков оценок для XOne:',
      (games_actual.query('platform == "XOne"')['user_score']
       .isna().sum()) / len(games_actual.query('platform == "XOne"')))

print('\nДлина выборки для PC:',
      len(games_actual.query('platform == "PC"')))
print('Доля пропусков оценок для PC:',
      (games_actual.query('platform == "PC"')['user_score']
       .isna().sum()) / len(games_actual.query('platform == "PC"')))
```

Длина выборки для XOne: 228  
Доля пропусков оценок для XOne: 0.27631578947368424

Длина выборки для PC: 151  
Доля пропусков оценок для PC: 0.19205298013245034

Итак, мы имеем выборки размером 228 и 151 испытание, в которых 27.6% и 19.2% пропусков соответственно. Мы не имеем механизма восстановления пропущенных оценок, а для выполнения статистических критериев пропуски в выборках недопустимы.

В этих условиях для проверки 1 гипотезы не будем учитывать пропуски в выборках (используем параметр `nan_policy='omit'`), зададим уровень значимости критерия и используем параметр `equal_var=False`:

```
In [55]: # зададим пороговое значение
alpha = .05 # если p-value окажется меньше него - отвергнем гипотезу

# выполним статистический тест на равенство средних
# двух генеральных совокупностей
results = st.ttest_ind(
    games_actual.query('platform == "XOne"')['user_score'],
    games_actual.query('platform == "PC"')['user_score'],
    nan_policy='omit',
    equal_var=False
)

print('статистика разности:', results.statistic)
print('p-значение:', results.pvalue)

if results.pvalue < alpha:
    print("Отвергаем H0")
else:
    print("Не получилось отвергнуть H0")
```

статистика разности: 1.5777614590984412  
p-значение: 0.11601379428432244  
Не получилось отвергнуть H0

На имеющихся данных на 5% уровне значимости не имеется оснований отвергнуть гипотезу H0 в пользу альтернативы H1. Средние пользовательские рейтинги платформ Xbox One и PC статистически одинаковы.

### Проверка гипотезы №2

Необходимо проверить гипотезу "Средние пользовательские рейтинги жанров Action и Sports разные".

Сформулируем соответствующие статистические гипотезы:

- H0 - средняя пользовательская оценка для жанра Action равна средней пользовательской оценке для жанра Sports.
- H1 - средняя пользовательская оценка для жанра Action НЕ равна средней пользовательской оценке для жанра Sports.

Это статистическая гипотеза о равенстве средних двух генеральных совокупностей. Посчитаем размеры выборок:

```
In [56]: print('Длина выборки для Action:',
        len(games_actual.query('genre == "Action"')))
print('Доля пропусков оценок для Action:',
      (games_actual.query('genre == "Action"')['user_score']
       .isna().sum()) / len(games_actual.query('genre == "Action"')))

print('\nДлина выборки для Sports:',
      len(games_actual.query('genre == "Sports"')))
print('Доля пропусков оценок для Sports:',
      (games_actual.query('genre == "Sports"')['user_score']
       .isna().sum()) / len(games_actual.query('genre == "Sports"')))
```

Длина выборки для Action: 619  
Доля пропусков оценок для Action: 0.5201938610662359

Длина выборки для Sports: 161  
Доля пропусков оценок для Sports: 0.2111801242236025

Итак, мы имеем выборки размером 619 и 161 испытаний, в которых 52% и 21.1% пропусков соответственно. Мы не имеем механизма восстановления пропущенных

оценок, а для выполнения статистических критериев пропуски в выборках недопустимы.

В этих условиях для проверки 2 гипотезы не будем учитывать пропуски в выборках (используем параметр `nan_policy='omit'` ), зададим уровень значимости критерия и используем параметр `equal_var=False` :

```
In [57]: # зададим пороговое значение
alpha = .05 # если p-value окажется меньше него - отвергнем гипотезу

# выполним статистический тест на равенство средних
# двух генеральных совокупностей
results = st.ttest_ind(
    games_actual.query('genre == "Action"')['user_score'],
    games_actual.query('genre == "Sports"')['user_score'],
    nan_policy='omit',
    equal_var=False
)

print('статистика разности:', results.statistic)
print('p-значение:', results.pvalue)

if results.pvalue < alpha:
    print("Отвергаем H0")
else:
    print("Не получилось отвергнуть H0")
```

статистика разности: 8.384611346319303  
p-значение: 1.1825796838209195e-14  
Отвергаем H0

На имеющихся данных на 5% уровне значимости имеются основания отвергнуть гипотезу H0 в пользу альтернативы H1. Средние пользовательские рейтинги жанров Action и Sports различаются.

Выводы

- 1. Мы проверили две статистические гипотезы:
  - о равенстве средних пользовательских оценок для платформ XOne и PC;
  - о равенстве средних пользовательских оценок для жанров Action и Sports.
- 1. На имеющихся данных на 5% уровне значимости только вторая статистическая гипотеза была отвергнута в пользу двусторонней альтернативы.
- 1. Таким образом, результаты проверки статистических гипотез:
  - подтверждают изначальную гипотезу "Средние пользовательские рейтинги платформ Xbox One и PC одинаковые";
  - подтверждают изначальную гипотезу "Средние пользовательские рейтинги жанров Action и Sports разные".

Общий вывод

Проведённое исследование включает в себя:

- обзор данных;
- предварительную обработку и обогащение данных;
- исследовательский анализ данных:
  - выбор актуального периода для исследования;
  - изучение продаж в разрезе игровых платформ;
  - изучение продаж в разрезе игровых жанров;
- описание портретов типичных потребителей продукции игровой индустрии в регионах Северная Америка, Европа и Япония;
- проверку статистических гипотез.

Основные выводы по каждому этапу приведены в соответствующем разделе.

Основываясь на них, сформулируем ответ на основной вопрос исследования. Целью работы было выявление определяющих успешность игры закономерностей, что позволит сделать ставку в 2017 на потенциально популярный продукт и спланировать рекламные кампании для различных платформ.

- 1. На конец актуального периода самыми перспективными следует признать платформы PS4 и XOne - для них продажи в 2014-2016 гг. растут, в то время как для остальных - падают.
- 1. В северо-американском и европейском регионах следует сосредоточить внимание на играх для платформ PS4, XOne (следующее поколение по отношению к X360), 3DS, PS3; в Японии - на платформах 3DS, PS4, PSV.
- 1. Наиболее перспективными с точки продаж в Европе и Северной Америке представляются игры жанров Shooter, Action, Sports, Role-Playing; в Японии - жанров Role-Playing, Action, Fighting.
- 1. В Северной Америке и Европе наибольшую продаваемость демонстрируют игры "для взрослых" (рейтинг M), "для всех" (рейтинг E), "для подростков" (рейтинг T). В Японии доля американских и европейских игр традиционно низка, поэтому опираться на рейтинг при планировании рекламных кампаний не следует.